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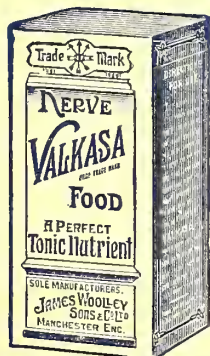
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A CHANGE IN TITLE BUT THE PERSONALITY UNCHANGED

(Extract from *The Chemist and Druggist*, July 29, 1916.)

"Linking Three Centuries."

A LITTLE over seven years ago we reported upon a visit that we paid to the new chemical and pharmaceutical factories of Burgoyne, Burbidges & Co. at East Ham, and the article is recalled by the formation of the business into a private limited liability company, with Mr. Thomas Farries, F.I.C., F.C.S., as the head, and his partners, Mr. H. R. Arnold and Mr. R. G. Halstead, as the other members of the board. We understand that this conversion is entirely for private and family reasons, and that no change will be made in the *personnel* of the business, which will be continued in precisely the same manner as formerly. We may recall that the business was founded in 1741, or earlier. It is interesting to note that Richard Hotham Pigeon, who helped Henry Deane in starting his pharmacy at Clapham (see p. 792), was apprenticed in 1805 to Fynmore & Palmer, of Throgmorton Street, and became a partuer in the business in 1812. Mr. Farries was a "Square" man, and this month is his jubilee as a pharmaceutical chemist (Major examination, July 1866). When the first chemical and galenical laboratories were established for Burgoyne, Burbidges & Co. in Coleman Street by Dr. W. S. Squire, son of Mr. Peter Squire and a partner in the business, Mr. Farries went straight from the Square to help Dr. Squire in this part of the establishment. Thereafter he was a partner for two years (1874-76) with Mr. Cyriax, and together they joined the Coleman Street firm as partners. Mr. Farries is a very keen man of business, as well as an experienced chemist and pharmacist. Mr. Arnold, like him, is a "Square" man, having been an analytical pupil of Dr. John Attfield. Before going to Burgoyne's chemical laboratory he held a similar position with Gale & Co., and was chemist with John Moss at the Zoedone Works in Wales. He became a partner with Mr. Farries in 1897, and is a leading business man in the London wholesale drug-trade. Mr. Reginald G. Halstead, the third director, is a nephew of Mr. Farries, and went through all departments of the house and attended the School of Pharmacy, Bloomsbury Square, before joining the firm as a partner in 1902. The development in the Burgoyne business during the past ten years, particularly since the East Ham establishment became in 1908 the headquarters of all the material work (Coleman Street being simply retained as a City office), necessarily implied such a development of affairs as conversion into a limited company, but it is satisfactory to note that the personality of the partners is maintained, and this means a continuance of that happy connection which has been a characteristic of the business for so many years.

BURGOYNE, BURBIDGES & CO. Ltd.
EAST HAM, LONDON, E

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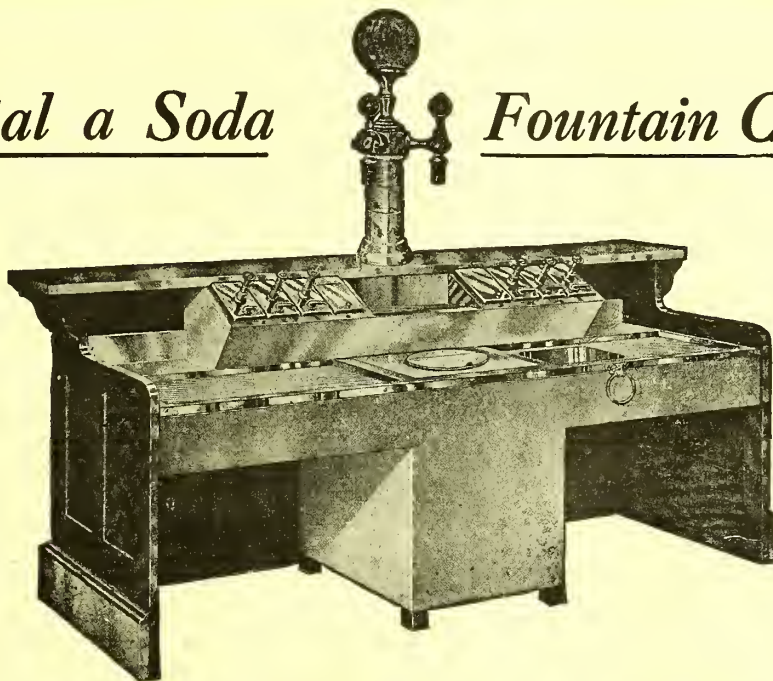
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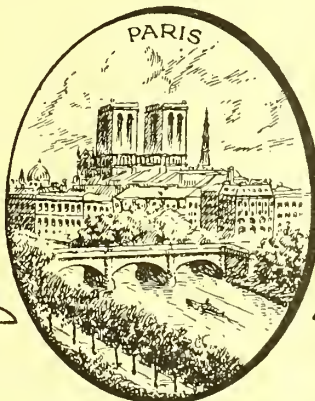
R. W. GREEFF & Co. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries

(WHOLESALE QUANTITIES ONLY)

Acetanilid	Gallic Acid	Phenacetin
Amidopyrin	Glycerophosphates	Phenazone
Barbitone	Guaicol Carbonate	Pyrogallie Acid
Bromide of Ammonium	Heliotropin	Potassium Sulpho-
Bromide of Potassium	Hexamine	Guaicolate
Bromide of Sodium	Homatropine	Quinine and Salts
Chloral Hydrate	Hydroquinone	Quinine Ethyl Carbonate
Cinchonine Sulphate and	Isarol (best Ichthyol	Salicylate of Soda
Muriate	substitute)	Salol
Cinchonidine Sulphate	Lithia Carbonate	Sugar of Milk
Citric Acid	Lithol (Ichthyol substitute)	Tannic Acid
Cocain Hydrochlor and	Mercurials	Tannin Albuminate
Puriss	Methylene Blue Medicinal	Terpineol
Cream of Tartar	Methyl Salicylate	Terpine Hydrate
Creosote Carbonate	Peppermint Oil	Theobromine
Eucalyptus Oil—B.P. 70%	Pepsines, Pancreatin, Pep-	Thymol Crystals
Formaldehyde	tone and other digestive	Vanillin
	Ferments	

R. W. Greeff & Co.,

THAMES HOUSE,
QUEEN ST. PLACE,
LONDON, E. C.



MANCHESTER BRANCH:
Lloyds Bank Buildings,
King Street.
ALSO AT
NEW YORK:
R. W. Greeff & Co.,
80, Maiden Lane.

WATER TURNED INTO LEMONADE INSTANTLY

**Two
lines
urgently
wanted
by
Soldiers,
Sailors,
and
Civilians.**

WE PAY CARRIAGE
ON 1 GROSS, WHICH
MAY BE ASSORTED.

Drop one of Ayrton's tablets into half-
a pint of water, and you have Lemonade
just like that made at home.

AYRTON'S LEMONADE TABLETS

are in 6d. Tubes, and cost 54/- per gross.
Deliveries are prompt, and show material
free.

AYRTON'S CARAVAN THIRST QUENCHERS

are delicious Lemon circles, which melt
on the tongue and quench the fiercest
thirst. They are delightfully acid.

6d. Tins 54/- per gross.
(1d. & 2d. Rolls, 8/- and 16/- per gross.)

Deliveries are prompt, and show material
free.

AYRTON, SAUNDERS & CO., LTD.

Wholesale Druggists - - - LIVERPOOL.

London Agent holding Stock:

J. E. GARRATT, 96 Southwark St., LONDON, S.E.

Maw's

S. MAW, SON & SONS
(G.P.O. BOX No 541)
7-12, ALDERSGATE ST.
LONDON, E.C.

Page

NUMBER 251

AUG. 5, 1916

HOURS OF BUSINESS: 8.30 a.m. — 5.30 p.m.

CLOSE AT 1 p.m. SATURDAYS.

'SANTORA' SPUTUM FLASK



5/3 DOZEN.

This recently introduced pattern is made in blue glass, and fitted with metal cap containing a leak-proof rubber disc. The Flask is concave on one side, a shape making it specially suitable for carrying in the pocket. Each in box with attractive label.

'PAREX' (REGD) SEASON: 1916~1917

We are now booking orders for immediate and deferred supplies of the Rubber Water Bottle with a Name.

The British-made "Parex" is a bottle of wonderful value. Whatever the size—there are 14 to select from—the red triangle is a guarantee of quality. Each "Parex" Rubber Water Bottle is double seamed, and fitted with strong leak-proof stopper.

"Parex" Bottles sell on their merits; but we like those merits to be widely known. A plentiful supply of advertising material is therefore supplied with all orders.

"'Parex' the Public"—and watch results.



Two Arts, Two Triumphs

Recently we looked upon Peace and War. We beheld khaki-clad figures at grips with a desperate enemy, Tommy and Teuton fighting amidst the volcano and earthquake of battle.

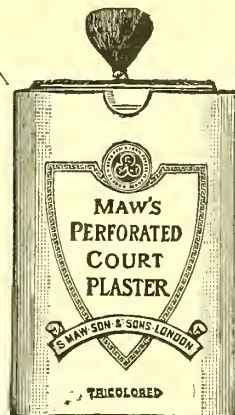
We looked upon the grim grey walls of Britain; steel-cold leviathans with hearts of fire riding at anchor awaiting "The Day." We saw the boundless ocean caught in a hundred different moods; woodland and dale garbed in the four Seasons.

There were many such pictures to view at the summer show at the Royal Academy. One picture particularly attracted our attention by its sheer beauty and

subtle conception of "atmosphere." The canvas portrayed a typical landscape. It was a pastoral picture of grazing sheep and green fields and sun-bathed trees and hedges. A bridge-spanned brook meandered away into the distance to where the blue sky met the horizon in a belt of haze. The artist had admirably caught the freshness and sweetness of the countryside. It was a scene that aroused memories of some half-forgotten holiday. It was *English*.

In the corner of the gilded frame was a piece of pasteboard. On it was simply "No. 11."

Put up in a neat celluloid case to fit the pocket, in perforated leaves of black, white and flesh colours, bound securely between card covers, Maw's Perforated



COURT PLASTER

is a safe line to introduce to a hesitating customer. Sixty-three little pieces in each packet.

4/-
DOZEN.

LAST WEEK'S
SUMMER ISSUE
OF

Maw's Page

Contained illustrations of the following Holiday and Campaign lines.

Abdominal Belts	...	...	6/3 & 8/3 each
Aero Socks	...	...	4/- dozen
Air Pillows	...	...	48/- dozen
Bath Powder ("Parex")	...	...	7/9 & 13/6 doz.
Bathing Caps ("Enchantress")	...	...	12/- to 27/- doz.
Brilliantine ("Active Service")	...	...	4/9 dozen
Dental Cream ("Parex")	...	...	7/9 dozen
Folding Lounge Chair	...	...	37/6 & 42/- each
Foot Powder ("Active Service")	...	...	24/- gross
Holdalls	...	...	20/- dozen
No. 11 Eau de Cologne	...	...	10/- & 17/- doz.
Shampoo Powder ("Parex")	...	...	8/6 dozen
Spirit Flasks	...	...	2/3 to 8/9 each
Sponge Bags	...	...	8/- to 21/- doz.
Tooth Powder ("Parex")	...	...	8/6 dozen
Vacuum Flasks	...	...	3/-, 2/10, 2/8 ea.
Vacuum Flask Covers	...	...	10/6 dozen
Waterproof Seats	...	...	16/- dozen
Writing Companions	...	...	18/- dozen

(See pages 10 and 11 last week's "C. & D.")

This little study forces home a message to Pharmacists. It is a reminder of the freshness and sweetness of that other "No. 11"—Eau de Cologne.

The art of the perfumer, like the art of the painter, has its triumphs.

It is difficult to imagine anything more fragrant than this preparation bearing our name. The line has been distilled, and put up in elegantly labelled bottles worthy of the contents. Maw's "No. 11" Eau de Cologne is worthy of your interest. It is charming. It is perfect. It is *English*.

Capsule

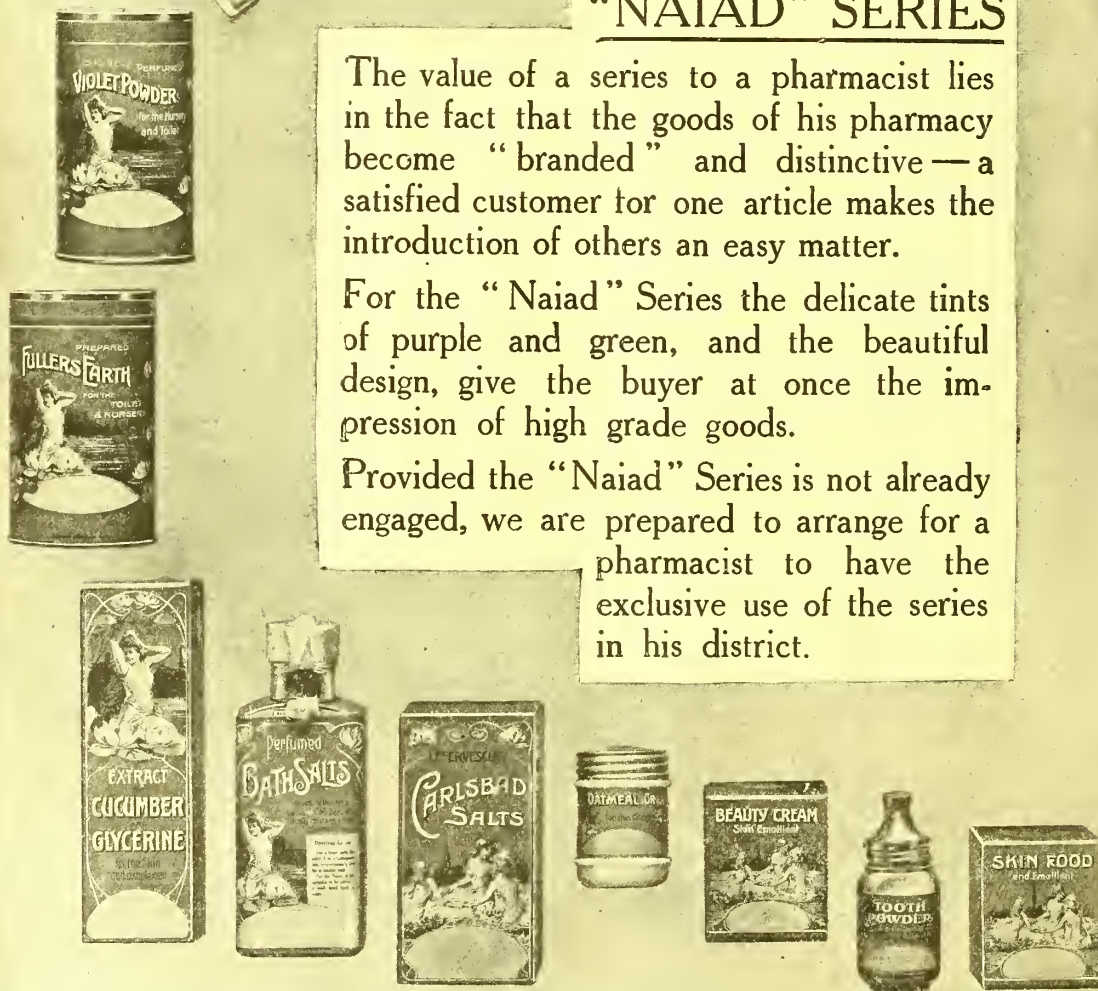


EXAMPLES OF THE FAMOUS "NAIAD" SERIES

The value of a series to a pharmacist lies in the fact that the goods of his pharmacy become "branded" and distinctive — a satisfied customer for one article makes the introduction of others an easy matter.

For the "Naiad" Series the delicate tints of purple and green, and the beautiful design, give the buyer at once the impression of high grade goods.

Provided the "Naiad" Series is not already engaged, we are prepared to arrange for a pharmacist to have the exclusive use of the series in his district.



EVANS, SONS, LESCHER & WEBB, LIMITED
LONDON AND LIVERPOOL

L

THE LATEST!

BLACK & RED LABEL



Wholesale **1/6** per 3 tab. box. Retail **9d.** per tab., minimum.

Cook's "CUTANEOUS," Black and White Label, has for years enjoyed a well-deserved popularity, and we now recommend the Medicated quality, Black and Red Label, to you with every confidence. It is a sure seller.

EDWARD COOK & CO., LTD.

The Soapery, BOW, LONDON, E.

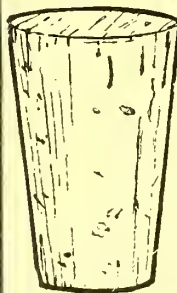


Cut down the dead tree of WASTE by use of the AXE of KNOWLEDGE.

SEMREH

SELF - FIXING BOTTLE CAPS are the outcome of scientific research.

THE VISCOSE DEVELOPMENT CO. LTD.
BROMLEY - KENT.



CORKS for CHEMISTS

6 & 8 oz., 1 inch long.

"N.I." Quality	4½d. per gross
"1st" "	7d. " "
"G.A.O." "	9d. " "
"S.C.E." "	1/3 " "

Plus 10 % War advance.

MITCHELLS, Ltd. THE CORK FIRM
LIMEHOUSE, LONDON, E.

10/-
worth
delivered free
in British Isles



Eau de Cologne "RHEIMS" Brand

6 Bottles	....	per doz.	4/6
1/- "	....	"	9/-
2/- "	....	"	15/-

Subject to usual 5% discount.

A good lasting perfume selling freely as a patriotic line wherever it is shown.

"Newbery's"
CHARTERHOUSE SQUARE LONDON

STIPENDUM CORK STOPPERS

in all sizes suitable for
KALIS, CITRATES,
DISPENSING, and all
FLUIDS.

STIPENDUM COVERED POTS

THE BEST FOR FACE AND TOOTH POWDERS,
PASTES, AND OINTMENTS.
GREASE PROOF.

For Samples & particulars apply to
The
Stipendum Stopper Co.
1 Newman Street,
LONDON, W.
Tel. No. 3769
GERRARD.

TITTERTON'S
CELEBRATED
HAIR BRUSHES

GOOD PROFITS
are made by selling
TITTERTON'S
CELEBRATED
BRUSHES
(Hair, Tooth, Nail & Shaving Brushes).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.
Illustrated Catalogue on application.

TITTERTON & HOWARD,
Brush Manufacturers,
8 & 10 Great Titchfield St., London, W.

FOUR BIG SELLERS

which show you a handsome profit. TOKALON LIMITED have entirely given up the sale of pharmaceutical lines in order to cope with the greatly increasing demand for the celebrated TOKALON TOILET PREPARATIONS, a few of which are illustrated on this page. If you wish to build up a good class, profitable toilet trade you should make these your leading lines.

SOME PROFITABLE TOKALON PREPARATIONS

CRÈME TOKALON
DENTA CRÈME
COMPLEXION SOAP
SANTONEX
"VIRGIL" LIP PENCILS
"VIRGIL"
EYEBROW PENCILS
Etc. Etc.

TOKALON LTD.

212/214 Great Portland Street, London, W.

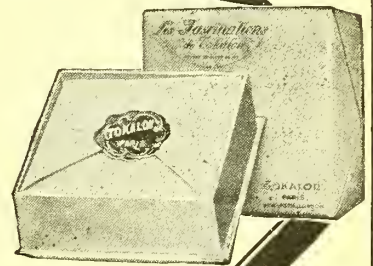
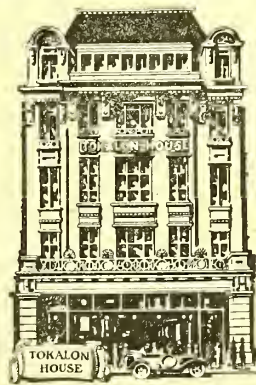
SOME PROFITABLE TOKALON PREPARATIONS

POUDRE TOKALON
(Powder & Comprimés)
ROUGE TOKALON
(Comprimés only)
TALCUM POWDER
BRILLIANTINE
EAU DE LEVATHOL
SEPALIAS SHAMPOO
Etc. Etc.



SPECIAL TERMS

Write to Tokalon Ltd., at the above address for particulars of our liberal offer to chemists who are willing to make a window display.



DISPLAY CARDS

and
SHOW MATERIAL
FREE.



ILLUSTRATED

PRICE LIST

will be sent POST FREE
on request.

*Attractive
Showcase
Offer.*

Particulars on application.

PRICE'S Extra Triple Eau de Cologne

WICKERED BOTTLES.

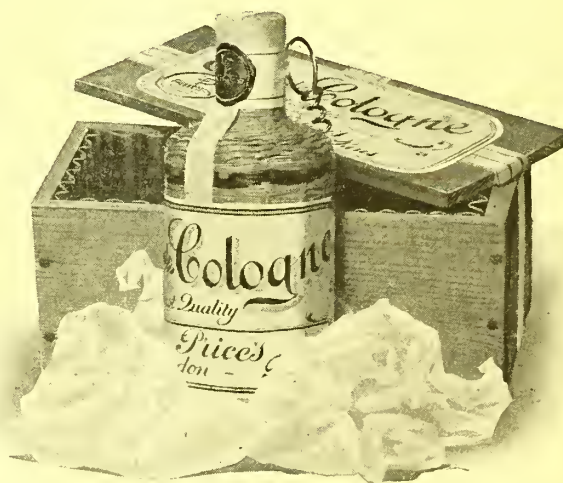
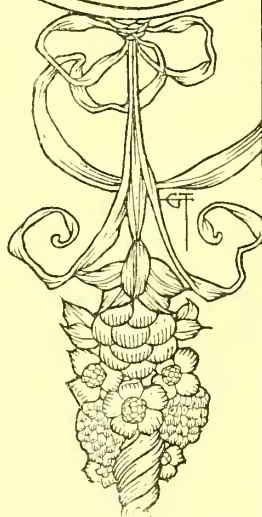
Packed in neat, original pattern
wooden boxes of various sizes,
containing either one or three
bottles.

*Specially suitable for
dispatch.*

PRICE'S,
Battersea,
LONDON, S.W.

Eau de Cologne List, quoting
above and 2 oz. up to 20 oz.

Bottles, also General
Perfumery Price List
on application.



LIQUID PARAFFIN B.P.

PETROLEUM JELLY

WHITE OILS

HALF-WHITE AND COLOURED MINERAL OILS.

STERN SONNEBORN OIL CO., LTD., 16 FINSBURY SQUARE, LONDON, E.C.

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.

Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE YET PRODUCED

IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

7 Carnwath Road, Fulham, London, S.W.

WHO INVITE INQUIRIES.

WHITE MARSEILLES SOAP

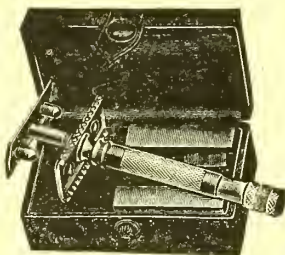
SO-CALLED CASTILE SOAP
60-65 per cent. FATTY ACIDS.

A PURE VEGETABLE OIL SOAP

For prompt or forward delivery.

FREDK. BOEHM, Limited,
16 Jewry Street, LONDON, E.C.

SAFETY RAZORS



Complete Outfits,
8/6 to 36/- Doz.

SAFETY
RAZOR BLADES,
4/6 to 14/6
per Gross.

Wholesale trade only supplied.

HAMMETT'S,—Manufacturers,—London, N.E.
422 MARE STREET,

SUPPORT HOME INDUSTRIES.

Estd. 1777.



Incd. 1900.

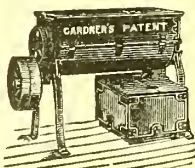
**BUY
KENT'S
BRUSHES.**

Winter Issue, 1916, pp. 96, 97.

Diary, 1916, pp. 96, 97.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS



OVER 4,000 working in
almost every Trade where
POWDERS are Sifted and
Mixed and Lumps Re-
duced, all being done at
one operation and without
loss by dust

FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.

Iron-mould—watch it vanish!
A rust-stain does not mean a catastrophe now. MOOVOL saves your blouses from the rag-bag, because it absolutely clears the stain away whilst you look. A touch, a gentle rub, a wait of two minutes and the stain is no more.

MOOVOL
Head

Removes 'Iron-mould,' Rust, Fruit and Ink Stains.
A Thimbleful in the rinsing water removes the YELLOW TINGE from linen. Send 1s. 2d. for a sample at once.

EDGE'S, Bolton, Lancs
Sold by chemists, ironmongers, etc. In 6d. and 1s. tubes

You Reap the Profits!

The above is only one of the many forceful advertisements now appearing in the most influential National publications and Fashion periodicals telling housewives that Iron-mould is no longer immovable. Moovol contains no injurious acids and is not harmful to the most delicate fabric.

ARE YOU PARTICIPATING IN THE PROFITS?

Send a P.C. for trial stock and display material to

**WM. EDGE & SONS, LTD.,
BOLTON, LANCs.**

(THE DRUMMER DYE PEOPLE.)

PICKARD, IVE & RANKIN, Ltd.

Walmer Chemical Works, NOTTING HILL, LONDON, W.

British Acetyl-Salicylic Acid

of guaranteed B.P. quality, in snow-white crystal flakes.

Telegrams: "Pickiveran Norkens."

Telephone: Park 4500.



KRASKA

THE QUEEN LIQUID
:: NAIL POLISH ::

Highly Profitable.

Sold at all Wholesale Houses

8/3 11/- 16/6

Per Dozen.

Retailing at

1/- 1/6 2/6

Per Bottle.

Applications for Agencies invited.

The Kraska Co., Ltd.
7 Blenheim St., LONDON, W.

ELEY BROTHERS, LIMITED

specialise in the manufacture of
the following articles at the
lowest prices :

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets,
Dredgers, etc.

Metal Boxes

for Dentifrices, Soap Tablets, etc.

Ferrules

for Walking Sticks, Whips,
Bamboo Fittings, etc.

Pencil Fittings

in any of the following metals :
Brass, Copper, or White-metal
(nickel or silver - plated),
Aluminium and Jewellers' Metal
(Tombac).

ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.



The
ARMY
which
WINS
every time

and wins on Quality, not price.
The genuine THERMOS
may be a little more costly but
it gives many times the Value
of the cut-price imitation. Over
Ten Million THERMOS
Vessels are in use, and each
one bought to-day has the
experience and knowledge of
making the previous ten million
or so focussed into its manufac-
ture. Prices are standardised ;
profits are liberal ; sales are
fast and frequent.

Write for new Catalogue.

THERMOS
LTD

**8 LONG LANE,
ALDERSGATE STREET,
LONDON, E.C.**

Phone : Central 5947.
Wire : "Ultraism London."

RECOMMEND THE PROTECTED BRAND

AND SUPPORT THOSE WHO SUPPORT YOU. IT PAYS YOU TO PUSH THIS INK IN PREFERENCE TO NON-PROTECTED MAKES. IT IS NOT ONLY THE BEST, BUT SHOWS YOU THE MOST PROFIT.

**40%
MINIMUM
PROFIT**

**JOHN BOND'S
"CRYSTAL PALACE"
MARKING INK.**

**FIXED
SELLING
PRICES**

With or without heating, whichever kind is preferred.
Please specify when ordering.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

"THE ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

N.B.—This is not a cut 6d. Marking Ink, sold at the Stores for 3½d.

**TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—**

PRESTON'S LIVERPOOL DISTILLERY CO., LTD.

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

ILLUSTRATED CHEMISTS' PRINTING

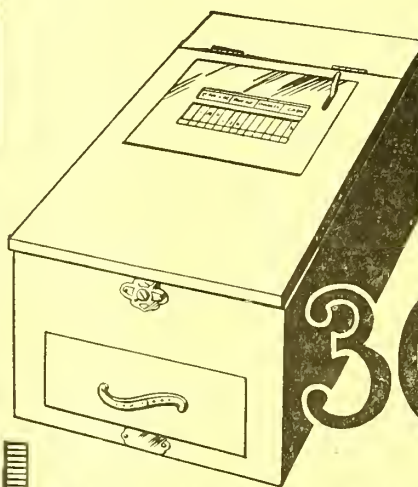
Our Special Illustrations are suitable for every Chemist's Speciality, and are sure to create
GOOD SALES

Send your Inquiries for Circulars, Labels, Cartons, Envelopes, Etc.

— TO —

Thomas Waide & Sons
CHEMISTS' PRINTERS,
KIRKSTALL ROAD, LEEDS

Full Set of Samples to Colonies 10/6, which we credit on orders of £5 and upwards.



30/-

National Autographic Till.

MAHOGANY Finished Cabinet. Bronze Fittings. Paper Roll ruled for assistant's initial, cash sales, credit sales, money received on account, and money paid out

Other Autographic Tills in stock. Receipt-Printing Tills from £6.

We Guarantee to furnish a better Cash Register or Autographic Till for less money than any other concern in the world.

Write for Coloured Illustrated List

THE NATIONAL CASH REGISTER, Co., Ltd.
225, TOTTENHAM COURT ROAD, LONDON, W.

PETROL

THIS week sees the inception of the new Petrol restrictions. Undoubtedly we shall all feel a draught, and none more so than large firms like ourselves distributing goods within a fifty-mile radius of London by motor car.

Our cars used to cover some 14,000 miles per month, and guaranteed to us a reputation for speed in delivery approached by very few firms. Just at present we have not settled definitely what alterations will be made in the daily rounds of our cars, but they will of necessity be rather drastic.

We ask you, therefore, to bear with any inconvenience you may be put to through late deliveries; we would also suggest that it would greatly help matters if your orders were given as early as possible in advance, making one order do the work of two.

In this way you will best help yourself where we are compelled to reduce the number of deliveries. We much regret, too, that we shall have to cease collection of articles not stocked, other than chemicals, drugs and packed pharmaceuticals.

May we here thank you for the large consideration already extended to us in this difficult time, and assure you of our warmest efforts to assist you in your difficulties.

Scangiers

258 EUSTON ROAD, LONDON, N.W.

SCHOOL OF PHARMACY

OF THE

PHARMACEUTICAL SOCIETY.

The School provides systematic courses of instruction for the Minor and Major Examinations of the Pharmaceutical Society. Both Courses commence in October, the Minor Course continuing until the end of June 1917.

Arrangements have been made to admit to Special Shorter Courses Students who can satisfy the Dean that they have already received adequate scientific training.

Applications for admission to the School, or for any information respecting it, should be addressed to—

THE DEAN OF THE SCHOOL (Prof. Greenish, F.I.C.), 17 Bloomsbury Square, W.C.

LONDON COLLEGE OF PHARMACY

Principal - - - HENRY WOOTTON, B.Sc. (Lond.)

MINOR REVISION COURSE - August 16

Fee to October Examination, 5 guineas.

APOTHECARIES' HALL COURSE, August 18

Fee to January Examination, 10 guineas.

COMPLETE MINOR COURSE - Sept. 13

Fee to January Examination, 10 guineas.

Separate Class Rooms & Museum for Lady Students.

The number of Students who have passed the Pharmaceutical Examination from the London College since its establishment exceeds that from any other school.

For Prospectus, &c., apply to the Secretary.

London College of Chemistry and Pharmacy, 361 Clapham Road, London, S.W.

UNIVERSITY OF BIRMINGHAM

Faculties—

SCIENCE, ARTS, MEDICINE, COMMERCE.

SPECIAL SCHOOLS OF LANGUAGES.

DEPARTMENT FOR TRAINING OF TEACHERS.

Schools of

ENGINEERING, METALLURGY, MINING, BREWING, DENTISTRY.

Leading to Degrees and Diplomas.

The Session 1916-17 commences October 3, 1916.

All Courses and Degrees are open to both Men and Women Students.

In the Medical School Courses of Instruction are arranged to meet the requirements of other Universities and of Licensing Bodies.

Graduates, or persons who have passed Degree Examinations of other Universities, may, after one year's study or research, take a Master's Degree.

Syllabuses, with full information as to Lecture and Laboratory Courses, Fees, Regulations for Degrees, Diplomas, &c., Exhibitions and Scholarships, will be sent on application to the Secretary of the University.

THE SCHOOL FOR SUCCESS!!

THE

South of England College of Pharmacy.

(Concilio et labore)

186 CLAPHAM ROAD, LONDON, S.W.

Principal—H. LUCAS, Ph.C., F.C.S.

JULY, 1916. → **100 %** ← JULY, 1916.

At the Minor Examination just concluded in London, Eight Gentlemen were presented, and all were successful.

TRAINING FOR LADIES.

A new course for the Apothecaries' Hall commences on Sept. 23; fee £10 10s. Minor and Major Courses commence Sept. 23 and Oct. 2. Evening Classes Oct. 2.

For all particulars apply The Principal.

COLLEGE OF OPTICS

GLASGOW and EDINBURGH.

Principal: T. S. BAIRD, F.R.M.S., D.C.O., &c.,

12 RENFIELD STREET, GLASGOW.

Qualified by the various Examinations in Optics and Sight-Testing of the College of Optics, Glasgow; the Worshipful Company of Spectacle Makers, London; and the British Optical Association, &c. Fellow of the Royal Microscopical Society, &c. First Prize-man in Advanced Mathematics, Physics, and Chemistry, Glasgow; Science Scholarship Holder.

Correspondence Courses.

(Special offer during War.)

Write at once for particulars of above and D.C.O. Examination. Note New Address where all communications should be directed.

T. S. BAIRD, F.R.M.S., 12 Renfield Street, Glasgow.

ZEAL'S REGISTERED

Clinical Thermometer

The "REPELLO"

Requires no shaking down.

Guaranteed Accurate.

A 30-Second Pushed back in an instant.

Good
Selling
Lines for
Chemists

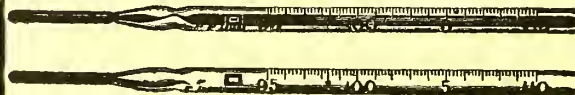


Showing flattened bulb at end.

NEW IMPROVED LENS FINDER

The only Easy Reading Magnifying Clinical Thermometer on the Market.

IN FOCUS.



OUT OF FOCUS.

The square mark engraved on lens front locates the Mercury Column immediately.

SPECIAL AWARD AND GOLD MEDAL, NEW ZEALAND, 1907.

SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

G. H. ZEAL, 82 Turnmill St., LONDON, E.C.

Wholesale Manufacturer of

CLINICAL THERMOMETERS.

A SELECTION OF 50 KINDS.

Established 1888.

LIST POST FREE.

Telephone No.
12438 Central.

F. DARTON & CO.

Clerkenwell Optical Works, 142 ST. JOHN STREET, **LONDON, E.C.**
and 52 CLERKENWELL ROAD,

SPECTACLES & EYEGLASSES

GOLD-FILLED, STEEL & NICKEL

IN

ALL QUALITIES & STYLES and the best finish.

Supplied by return mail on receipt of order.

& work, framed or rimless, dispatched promptly and accurately

Chemists—

You are not satisfied with the *Developing* and *Printing* now being done for you. Let me put your work right. Send me your next spools. I will develop and print from the negatives. Art Velox only used.

SPE DY RETURN. PERFECT FINISH.
PRICES GLADLY SENT ON REQUEST.

CHATHAM PEXTON,

46 GRAY'S INN ROAD, LONDON, W.C.

Telephone: 11578 Central.

Absolute Alcohol

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The Pharmacia

Royal Pharmaceutical Laboratories,

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189 East India Dock Road, Poplar, E.
(Directly opposite N.L.R. Station.)

DENTISTRY.

Manufacturing & Dental Surgery.

Dentistry for Pharmacists.

The majority of Pharmacists of the present day have been afraid of Dentistry, mainly for the reason that their artificial work supplied has not given their customers satisfaction, not through the fault of the manufacturer of the artificial teeth, but because of the lack of knowledge of the Pharmacist not being initiated into the rudiments of fitting. It is our business to overcome that difficulty. Provided the Pharmacist has not the necessary knowledge, we will undertake to take impressions at his shop, quote his customer, and on the completion of the order give the Pharmacist 25 per cent. of the fee obtained; but where the Pharmacist has the requisite knowledge, he will find that by perusing the price list our prices are lower than any others in the trade.

Our services and advice are always at your command, whether a trade order or an order on commission. If we think a bite or an impression is faulty, we tell you so before proceeding with the work. On your first inquiry kindly give us a trial, and on that trial you will find that you will have a recommendation from a satisfied customer.

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N.B.—We study punctuality! We have a motor service for immediate commission calls.

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FOR OVER 90
YEARS WE HAVE
BEEN PRODUCING
HIGH-CLASS LABELS
& EVERY FORM OF
PRINTING AND
STATIONERY FOR
THE CHEMIST.



SUTTLEY & SILVERLOCK
LIMITED.

CHEMISTS & MEDICAL PRINTERS,
BLACKFRIARS RD LONDON.S.E.

No. 77 BRITISH Eau de Cologne



In Square Bottles

2 oz. ...	11/- doz.
4 " ...	21/6 "
8 " ...	41/6 "

In Wickered Bottles

½ pint ...	34/6 doz.
1 " ...	65/- "
2 " ...	122/- "

Write for Samples.
Showcards supplied.



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WILLIAM TOOGOOD, Ltd.,
77 Southwark Street, London, S.E.

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SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL
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*Over a quarter of a century
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For Liver, Kidneys & Bowels.

THE FAMOUS BRITISH REMEDY MADE IN ENGLAND ONLY

THE POWDER—BOTTLES—CAPSULES—LABELS ALL MADE IN ENGLAND

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 It is well advertised
 It is very popular
 It is a good article
 It is never dead stock
 It yields a good profit
 It satisfies everybody



The Doctors prescribe it
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 The Customer comes again
 The demand is constant
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ORDER AT ONCE FROM
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— FREE OF CHARGE —

DOCTORS, NURSES & HOSPITALS

are invited to apply at once for special Physicians' Sample Bottles of Kutnow's Powder, for the use of the sick and wounded both at the front and at home. All applications will be dealt with promptly and supplies forwarded immediately, carriage paid. Applications to be made by letter, and should be marked

"HOSPITAL WAR SERVICE,"

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To S. KUTNOW & CO., Ltd.,

41 Farringdon Road, London, E.C.

Please send me Showcards and Counter Bills, carriage paid.

NAME.....

ADDRESS

"Chemist & Druggist," Aug. 5, 1916.

Fill in, cut out, and post in open envelope, affix 1d. stamp.

S. KUTNOW & CO., LTD., Sole Proprietors,

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THE DIGESTIVE FERMENTS Co.

16-26 LOCUST STREET,
DETROIT, U.S.A.

The following are among our Specialities, Digestive Ferments, and Animal Extracts, stocks of which are held in London by
MAY & BAKER, LTD., BATTERSEA, LONDON, S.W.

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AMYLOPSIN
DIASTASE
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PEPSIN
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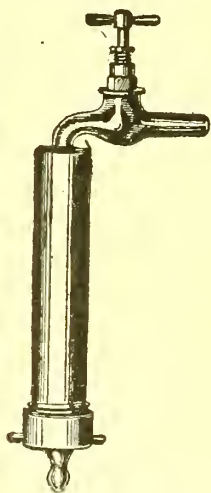
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LECITHIN
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SODIUM GLYCOCHOLATE
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We devote our whole time and attention to the manufacture of Digestive Ferments and Organo-Therapeutic Products, and we claim to produce the Highest Qualities at the Lowest Prices.

PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT
STATEMENT:

Wherever the PASTEUR
FILTER has been applied,
TYPHOID FEVER has
disappeared.

WRITE FOR LIST B.

SOLE MAKERS:

The British Pasteur Chamberland Filter Co.
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Wholesale & Export Drug Merchants,
— Manufacturing Chemists —

HULL

Are reluctantly compelled to advance the prices of the following preparations, but, as the protected retail prices are also increased, the Trader's profit is still large.

	P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7½d.		5/-
" " " " " "	1/2		10/-
" " " " " "	bottles in cartons } 1/6		12/-

***Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.**

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

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Works at
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CHEMICALS & PHARMACEUTICAL PRODUCTS—SWISS MADE.

ALL EXTRACTS AND TINCTURES (Male Fern, Henbane, Dandelion, Digitalis, Kola, Belladonna, &c. &c.)
COMPRESSED AND SUGAR-COATED TABLETS. CAPSULES AND PILLS.
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Our Specialities: FERRESCASAN—A remarkable, tasty, blood-forming, appetising and nerve-strengthening iron preparation. Marvellously efficacious in all kinds of debility.
SIROP ESCA—Against all diseases of the respiratory organs.
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MADE IN HOLLAND

THE BEST IN THE WORLD.

Always of the purest standard and corresponding with the requirements of any Pharmacopoeia.

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SODA SULPHATE (PEA XTALS.)
ACETIC & OXALIC ACID.
ACID TARTARIC. QUININE.
SODA HYPOSULPHITE.
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Telephones - - Nos. 6 and 4782 HOP.

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THOROUGHLY
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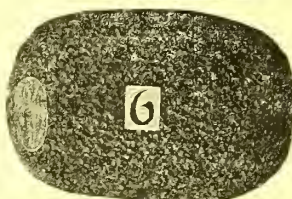
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PROFITS**

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DRUGGISTS'
SUNDRIES
HOUSES



Markt & Co., London,
—LTD.—

American Merchants,
SOLE IMPORTERS,
98-100 CLERKENWELL RD.,
LONDON, E.C.

7d.

Make your old
Hat a new one.

In bottles, 7d. each, in
separate neat cartons,
with suitable brush.

These Dyes are a distinct
invention, dyeing the straw
without an objectionable
varnished appearance,
and producing the effect
of new goods.



NO GLOSS.

NO POLISH.

On the
P.A.T.A.

Write for terms,
patterns also leaf-
let of testimonials

**"Luton" HAT
DYE**

WHITAKER & CO., COLOUR WORKS,
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Glossy "Series supplied if desired.
Special Non-Inflammable Series for Export. Est. 1878.
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OVER 100 % PROFIT
ENSURED & PROTECTED (P.A.T.A.)
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Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent
demand, created entirely on its own
merits, and carrying a first-class profit.

Size.	Minimum retail	Minimum wholesale.	
1/-	1/-	7/6	} per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles
gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most
general demand, viz. 1/6 size to 4/6, 12/- and
27/- respectively.

SOLE PROPRIETORS—

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DEVON WHARF,
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National Cash Registers?

There must be a reason.

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Let us tell you of the National Cash Register suitable for **your** business. The information will cost you nothing, and may be worth hundreds of pounds to you.

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Over 1,500,000 "Nationals" have been sold because they Stop Mistakes & Losses & Increase Trade & Profit.

Let Us Tell You How.

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225 Tottenham Court Road, London, W.

POST THIS TO-DAY

COUPON

Please let me have full particulars of the National Cash Register system suitable for my business, and the easy payments on which they are supplied.

C. & D.

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BUSINESS..... NUMBER OF ASSISTANTS.....

Sanaphos as a T. M. Reg. Summer Beverage.

SANAPHOS IS THE ONLY EASILY MISCIBLE NERVE FOOD.

"Sanaphos and Soda."

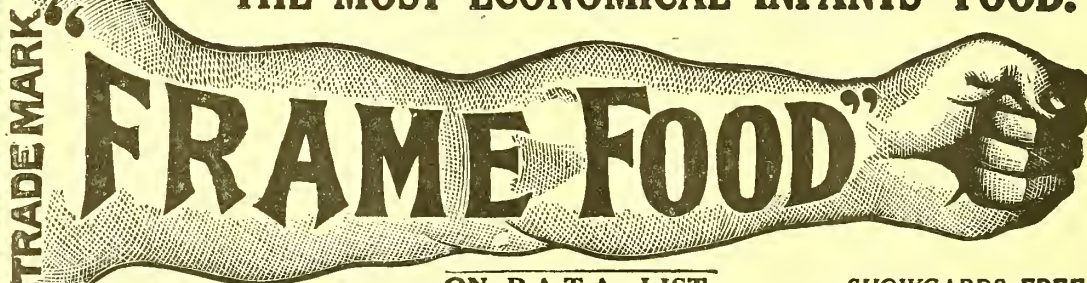
A large demand has arisen for Sanaphos prepared as follows:—To two tablespoonfuls of water add about two small teaspoonfuls of Sanaphos, stir rapidly with spoon or fork and fill the tumbler with Soda Water.

Recommend this method of preparation to your customers.

Chemists having Soda Fountains or doing a "cooling drink" business are invited to write for special terms. Sanaphos in large tins expressly packed for retailing as a Summer Beverage, can now be obtained. These large tins will be supplied only to chemists and are not for resale to the public.

THE BRITISH MILK PRODUCTS CO., LTD., 69 MARK LANE, LONDON, E.C.

THE MOST ECONOMICAL INFANTS' FOOD.



ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

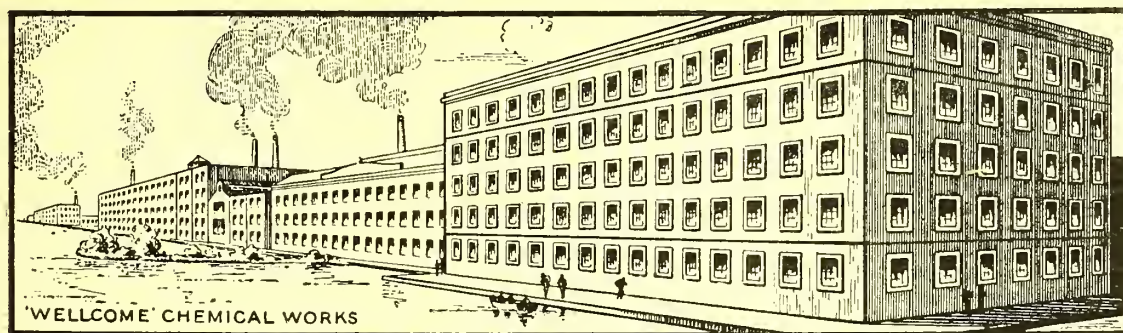
"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.



A Triumph of British Science

'TABLOID' BRAND ASPIRIN

(Trade Mark)

Gr. 5 and 0.5 gm.

Supplied as follows:

Gr. 5 in bottles of 25 at 16/0 per dozen bottles

Gr. 5 in bottles of 100 at 48/0 per dozen bottles

0.5 gm. in bottles of 25 at 24/0 per dozen bottles

0.5 gm. in bottles of 100 at 72/0 per dozen bottles

Prices subject

❧ Manufactured throughout at the 'Wellcome' Chemical Works, Dartford, Kent.

❧ Prepared from Acetylsalicylic Acid of the highest possible purity, having the correct melting-point of the pure acid and being absolutely free from Salicylic Acid.

❧ 'TABLOID' ASPIRIN is a typical example of the B.P. or Better quality which distinguishes the products of Burroughs Wellcome & Co.



BURROUGHS WELLCOME & CO., LONDON



THIS
NEW AND ARTISTIC
SHOWCARD IN
COLOURS

HELPS TO MAKE
A SIMPLE BUT
EFFECTIVE

WINDOW DISPLAY

ONE SIZE ONLY
(RETAIL 1/- P.A.T.A.)

7/6 PER DOZEN

SPECIAL TERMS FOR
WINDOW SHOWS.

SHOWCARDS,
LEAFLETS &
DUMMIES

SUPPLIED WITH ORDERS.

Ask for particulars.

OTANGO TIME

NOW IS THE SEASON FOR OTANGO, THE UNRIVALLED
PREPARATION FOR INSECT BITES AND STINGS.

OTANGO may be recommended with confidence both as preventive and remedy.

It is put up in special bottles, fitted with sponge, ready for instant application.

The carton is furnished with directions in English, French and Spanish.

THE BRITISH DRUG HOUSES, Ltd.
Graham St, City Road, London, N.



A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription Rates.

Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6d.; Summer or Winter Number, 1s.; *Diary* 3s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12s. 6d., franco.

Цена годового абонемента: Газета еженедельно и Дневник раз в год 12 шиллингов 6 пенсов с пересылкой.

Precio de suscripcion annual: el periodico una vez por semana, y el agenda una vez por anno 12s. 6d., franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.

Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).

Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Editorial Memoranda.

OUR EDUCATIONAL NUMBER.—For nearly half a century we have published an annual Educational Number of the *C. & D.*, giving all information in regard to education and examinations in pharmacy, medicine, dentistry, veterinary surgery, and science. This year's number is now in preparation, and will be published on Saturday, August 19.

"C. & D. DIARY," 1917.—As explained last week, our annual *Diary* has, in consequence of war conditions, to go to press somewhat earlier this year, and the work of revision has already commenced. We ask advertisers to assist us with their friendly co-operation in the matter of advertisements by forwarding copy and instructions without delay to the Publisher, 42 Cannon Street, London, E.C. The Editor will be addressing Associations and others soon, and prompt replies to his requests are solicited.

KNOWN, ADMITTED, AND APPROVED REMEDIES.—Since the Divisional Court of King's Bench gave, in 1903, the important and fundamental decision as to "known, admitted, and approved" remedies, raised in *Farmer v. Glyn-Jones*, we have reserved a space in the *C. & D. Diary* for these formulæ. Our *Diary* was the first book of the kind which the Revenue authorities accepted as an approved book of reference. The space reserved in the 1917 *Diary* for such formulæ will be limited, so that true copies of them, with doses or other directions for use, should be sent to the Editor *C. & D.*, 42 Cannon Street, London, E.C., as promptly as possible.

THERE ARE NOW only the minimum number of male assistants legally and habitually engaged in the dispensing, etc., of medicines in Scottish pharmacies, and the military authorities are agreed that they are all absolutely necessary for the requirements of the people and pharmacy.

European War News.

Enemy Businesses to be Wound Up.

Charles Westphal, 195 Upper Thames Street, London, E.C., dealers in essential oils. *Controller:* A. P. Ford, 4B Frederick's Place, Old Jewry, London, E.C.

M. Mezger & Co., 34 Bloomsbury Square, London, W.C., agents and dealers in surgical instruments and hospital furniture. *Controller:* E. Norton, 3 Crosby Square, London, E.C.

The Emil Busch Optical Co., 35 Charles Street, Hatton Garden, London, E.C., opticians. *Controller:* G. E. Sendell, 36 Walbrook, London, E.C.

Schimmel & Co., 65 Crutched Friars, London, E.C., dealers in essential oils. *Controller:* J. Baker, Eldon Street House, Eldon Street, London, E.C.

Meister, Lucius & Bruning, Ltd., 20 Princess Street, Manchester, dye-manufacturers. *Controller:* Sir W. Plender, 5 London Wall Buildings, London, E.C.

Prohibited Imports and Exports.

NETHERLANDS.—The Dutch Government has now forbidden the export of caraway oil, mawseed oil and fat, and mustard oil.

SWEDEN.—The Swedish Chamber of Commerce in London is in receipt of a cable from the Swedish Board of Trade, Stockholm, dated July 27, to the effect that the following articles have been added to the list of goods which are now prohibited for exportation from and transit through Sweden: Vinegar, acetic acid, chloride of magnesium, acetates of sodium, lime and iron oxide, copper oxide, cuprous oxide, copper-ashes, sugar of lead, white or yellow lead, salts of tin, stannic chloride, putty-powder, sulphide of potassium, sulphide of sodium, acetic anhydride, and potash.

UNITED KINGDOM.—A number of amendments to the list of prohibited exports have been gazetted. The following headings have been deleted: (c) Absinthe; (c) arrack. Chemicals, drugs, etc., the following: (a) Anthracene oil; (a) coal-tar, all products (except creosote) obtainable from and derivatives thereof, suitable for use in the manufacture of dyes and explosives, whether obtained from coal-tar or other sources, and mixtures containing such products or derivatives; (c) creosote; (a) green oil; (a) sulphuric acid; (c) oils, creosote, except wood-tar oil; (c) pitch, coal-tar; (c) pitch, resin; (c) pitch, wood; (b) pitches derived from fats, greases, oils, or fatty acids; (c) syrups which may be used as food for man, and molasses produced from cane-sugar.

The following headings have been added: Chemicals, drugs, etc., the following: (c) Anthracene oil and mixtures and preparations containing anthracene oil; (a) coal-tar, all products obtainable from and derivatives thereof, suitable for use in the manufacture of dyes and explosives, whether obtained from coal-tar or other sources, and mixtures and preparations containing such products or derivatives (except anthracene oil and green oil and mixtures and preparations containing these oils); (c) creosote and creosote oils (except wood-tar oil) and mixtures and preparations containing such creosote or creosote oils; (c) green oil and mixtures and preparations containing green oil; (a) sulphuric acid and mixtures containing sulphuric acid; (a) molasses; (c) pitches and all mixtures, preparations, and commodities of which pitch forms an ingredient; (c) potable spirits of a strength of less than 43° above proof; (b) quercitron-bark extract; (c) syrups which may be used as food for man.

Personal.

PRIVATES ALEXANDER BOYNE AND JOHN LAWRENCE, of the Royal Scots, who have been wounded, were with Harkness, Beaumont & Co., Edinburgh.

PRIVATE ROBERT MILNE, of the Royal Scots, who was an assistant with Mr. James Walker, chemist, Ellon, was wounded in the leg on July 23.

LANCE-CORPORAL THOS. AUKLAND, Manchester Regiment, who is missing after an engagement in Mesopotamia, was an employé at one of the Manchester branches of Boots, Ltd.

LANCE-CORPORAL HAROLD JOHNSTONE, of the Northumberland Fusiliers, who has been wounded in the face and right hand in France, was when he enlisted with Mr. W. Ruff, chemist and druggist, Whitby.

SECOND-LIEUTENANT H. G. CROWDEN, Royal Scots, has been wounded in action for the second time. He is the youngest son of Mr. S. G. Crowden (The British Drug Houses, Ltd.). The Lieutenant was rather dangerously wounded, but is improving, and his father has just returned from a visit to him in France.

B

SECOND-LIEUTENANT RHYS HUGHES, of the Lancashire Fusiliers, has been severely wounded. He is the son of Mr. William Hughes, chemist and druggist, Sale, of the firm of J. T. Chapman, Ltd., chemists, Manchester.

PRIVATE F. B. HEATHCOTE WRIDE, chemist and druggist, son of Mr. F. B. Wride, chemist and druggist, Southampton, left England last week with his regiment. He was an assistant with Mr. A. A. Godkin, Tunbridge Wells.

PRIVATE F. HOWE, of the Buffs (East Kent Regiment), who was on his enlistment with Mr. F. Guttridge, chemist and druggist, High Street, Ashford (Kent), has been wounded in the left lung by gunshot, and is in hospital at Rouen.

PRIVATE NORMAN A. MURRAY, of the Highland Light Infantry, who served his apprenticeship at the Sherwood Pharmacy, Paisley, has been wounded in the left leg and foot, and is in the Royal Victoria Infirmary, Newcastle-on-Tyne.

GUNNER HORACE SCHOFIELD, of the R.F.A., who is in hospital as a result of shell-shock and wounds, was with Reynolds & Branson before enlisting. He was originally attached to the R.A.M.C., and was invalided home from the Dardanelles.

Military Tribunals' Decisions.

The following have been announced:

BATH.—Vincent C. Mee, with Mr. Hawes; A. E. G. Lacey, with Olds & Co.; D. J. Williams, Ph.C., three months' exemption. H. Norris and R. H. Moore, chemists and druggists, conditional exemption.

BOSTON.—G. H. S. Payne, Ph.C., exempted until October 11.

BROMYARD.—W. R. Parke, conditional exemption.

CAMBRIDGE.—J. C. Craig, with Mr. Beall, exemption not granted.

DORKING.—H. Dixon, chemist and druggist, conditional exemption.

GILLINGHAM.—W. G. Mason, one month's exemption.

ILFRACOMBE.—F. H. Reed, chemist and druggist, conditional exemption.

LONDON (CITY).—Export manager of Ashton & Parsons, Ltd., two months' exemption.

OXFORD.—H. E. Green, with J. Squire & Co., three months' exemption.

ST. ALBANS.—H. W. Pike, chemist and druggist, conditional exemption.

SOUTHAMPTON.—S. G. Cousins and R. Leeson, exempted.

SWANSCOMBE (KENT).—T. W. Ostle, chemist and druggist, conditional exemption.

TUNBRIDGE WELLS.—A. A. Godkin, chemist and druggist, exempted.

WORKING.—W. T. Grout, with Mr. Wearing, chemist and druggist, two months' exemption.

Cocaine and Opium.

A PROCLAMATION

For Prohibiting the Importation of Cocaine and Opium into the United Kingdom.

GEORGE R.I.

WHEREAS by Section forty-three of the Customs Consolidation Act, 1876, it is provided that the importation of arms, ammunition, gunpowder, or any other goods may be prohibited by Proclamation; and whereas it is expedient that the importation into the United Kingdom of cocaine or of opium should be prohibited except as hereinafter provided: Now, therefore, We, by and with the advice of Our Privy Council in pursuance of the said Act, and of all other powers enabling Us in that behalf, do hereby proclaim, direct, and ordain as follows:

As from and after this date, subject as hereinafter provided, all cocaine and all opium shall be prohibited to be imported into the United Kingdom: Provided always, and it is hereby declared, that nothing in this Proclamation shall apply to cocaine or opium imported under the licence of one of Our Principal Secretaries of State and in accordance with the provisions of such licence.

The word "cocaine" includes all preparations, salts, derivatives, or admixtures prepared therefrom or therewith and containing 0.1 per cent. (one part in a thousand) or more of the drug.

The word "opium" means raw opium, powdered or granulated opium, or opium prepared for smoking, and includes any solid or semi-solid mixture containing opium.

This Proclamation may be cited as the Cocaine and Opium (Prohibition of Import) Proclamation, 1916.

Given at Our Court at Buckingham Palace this Twenty-eighth day of July, in the year of Our Lord one thousand nine hundred and sixteen, and in the Seventh year of Our Reign.

GOD SAVE THE KING.

THE REGULATION.

At Buckingham Palace on July 23, the King in Council ordered certain additions to the Defence of the Realm Regulations: (1) Enables his Majesty to declare by proclama-

tion that certain days shall not be a Bank holiday or public holiday; (2) deals with bank and currency notes; (3) prohibits melting of the currency gold coin; (4) is a regulation as to wireless-telegraph apparatus on ships; and the rest of the Order relates to cocaine and opium, being as follows:

5. After regulation 40a* the following regulation shall be inserted:

40 B.—(1) If any person sells, gives, procures, or supplies, or offers to sell, give, procure, or supply cocaine to or for any person, other than an authorised person, in the United Kingdom, he shall be guilty of a summary offence against these regulations unless he proves that the following conditions have been complied with:

- The cocaine must be supplied on and in accordance with a written prescription of a duly qualified medical practitioner and dispensed by a person legally authorised to dispense such prescription;
- the prescription must be dated and signed by the medical practitioner with his full name and address and qualifications, and marked with the words "Not to be repeated," and must specify the total amount of cocaine to be supplied on the prescription, except that, where the medicine to be supplied on the prescription is a proprietary medicine, it shall be sufficient to state the amount of the medicine to be supplied;
- cocaine shall not be supplied more than once on the same prescription except in pursuance of fresh directions duly endorsed on the prescription by the medical practitioner by whom it was originally issued, and signed with his name in full, and dated;
- the name of the person, firm, or body corporate dispensing the prescription, the address of the premises at which and the date on which it is dispensed, must be marked on the prescription;
- the ingredients of the prescription so dispensed, with the name and address of the person to whom it is sold or delivered, shall be entered in a book specially set apart for this sole purpose and kept on the premises where the prescription is dispensed, which book shall be open to inspection by any person authorised for the purpose by the Secretary of State.

(2) If any person, other than an authorised person or a person licensed to import cocaine, has in his possession any cocaine he shall be guilty of a summary offence against these regulations unless he proves that the cocaine was supplied on and in accordance with such a prescription as aforesaid.

(3) If any person sells, gives, procures, or supplies, or offers to sell, give, procure, or supply, opium to or for any person, other than an authorised person, in the United Kingdom, or if any person, not being an authorised person or a person licensed to import opium, has any opium in his possession, he shall be guilty of a summary offence against these regulations.

(4) If any person prepares opium for smoking, or deals in or has in his possession any opium so prepared he shall be guilty of a summary offence against these regulations.

(5) Every person who deals in cocaine or opium shall keep a record, in such form as may be prescribed by the Secretary of State, of all dealings in cocaine or opium effected by him, and if he fails to do so he shall be guilty of a summary offence against these regulations; every such record shall be open to inspection by any person authorised for the purpose by the Secretary of State.

(6) If any person holding a general or special permit from the Secretary of State to purchase any drug to which this regulation applies fails to comply with any of the conditions subject to which the permit is granted he shall be guilty of a summary offence against these regulations.

(7) For the purpose of this regulation—

The expression "authorised person" means a duly qualified medical practitioner, a registered dentist, a registered veterinary surgeon, a person, firm, or body corporate entitled to carry on the business of a chemist and druggist under the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, or of the Pharmacy Act (Ireland), 1875, as amended by the Pharmacy Act, Ireland (1875), Amendment Act, 1890, a licentiate of the Apothecaries' Hall in Ireland, or a person holding a general or special permit from the Secretary of State to purchase the drug in question.

The expression "cocaine" includes all preparations, salts, derivatives, or admixtures prepared therefrom or therewith and containing 0.1 per cent. (one part in a thousand) or more of the drug.

The expression "opium" means raw opium or powdered or granulated opium.

For the purposes of this regulation the expression "intoxicant" includes any intoxicating liquor, and any sedative, narcotic, or stimulant drug or preparation.

* 40A.—If any person gives, sells, procures, or supplies, or offers to give, sell, procure, or supply, to or for a member of any of His Majesty's Forces who is undergoing hospital treatment any intoxicant, he shall be guilty of a summary offence against these regulations, unless he proves that the intoxicant was or was offered to be given, sold, procured, or supplied under doctor's orders in connection with his hospital treatment, or proves that he did not know and had no reasonable ground for suspecting that the person to or for whom he gave, sold, procured, or supplied the intoxicant, or offered to do so, was undergoing hospital treatment.

[This regulation follows 40, quoted in the C. & D., May 20, p. 59.—EDITOR.]

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Technical Instruction in Optics.

At the meeting of the Education Committee of the London County Council on July 26, approval was given to a scheme for providing facilities for research-work and technical instruction in optics. The post-graduate and research work is to be conducted at the Imperial College of Science and Technology, and a trade school and senior day and evening courses are to be carried on at the Northampton Polytechnic, Clerkenwell. For these purposes it is proposed to make grants to the Imperial College of Science and Technology, not exceeding 750*l.* for equipment and 1,000*l.* for maintenance, subject to grants of three times these amounts being made by the Government, and grants not exceeding 500*l.* for alterations, 2,000*l.* for equipment, and 1,000*l.* a year for maintenance to the Northampton Polytechnic.

The British Brush Manufacturers' Association.

A Y.M.C.A. Hut collection has been made by the members of this Association, of which Mr. Ernest N. Kent is President, with the result that a total of 565*l.* 14*s.* 9*d.* was subscribed by brushmakers and 193*l.* 14*s.* 2*d.* by their employes, 69*l.* 6*s.* 6*d.* by bristle-merchants and 3*l.* 4*s.* by their employes, 25*l.* 7*s.* 6*d.* by merchants and 4*l.* 9*s.* by their employes, the total thus being 861*l.* 15*s.* 11*d.* Among the contributors we notice G. B. Kent & Sons, Ltd., 22*l.* 13*s.* 11*d.*, and 11*l.* 8*s.* 11*d.* from their employes; Titterton & Howard, 5*l.* 5*s.*; Hindes, Ltd., 160*l.*; T. Marson Till (Secretary of the Association), 1*l.* 1*s.*; Hamilton & Co. (London), Ltd., 50*s.*; and 25*l.* 6*s.* 4*d.* from their employes; D. S. Page & Sons, Ltd., 25*l.*, and 12*l.* 18*s.* 6*d.* from their employes; D. Matthew & Son, Ltd., 21*l.*, and 5*l.* 5*s.* from their employes; Rigby Battcock, Ltd., 5*l.* 5*s.*, and 4*l.* from their employes; Newton & Cook, 3*l.* 3*s.*; Crowden & Garrod, 2*l.* 2*s.*, and 1*l.* 1*s.* from their employes; Loonen & Greaves, 2*l.* 2*s.*; R. Addis & Son, 1*l.* 1*s.*, and 1*l.* from their employes; W. R. Tilbury & Co., 10*s.* 6*d.*, and 10*s.* 6*d.* from their employes.

British Medical Association.

The annual representative meeting of the British Medical Association was held on July 23 at the Connaught Rooms, London, W.C., Dr. C. B. Turner in the chair. Sir Clifford Allbutt was elected President. The chief matter discussed was the Report of the Royal Commission on Venereal Diseases. It was stated that there will be changes in the manner of certifying deaths, so as to allow of confidential certificates to be issued. Some criticism was directed against the recommendations of the Local Government Board. Objection was taken to the provision by the State of free treatment for venereal diseases. A resolution was adopted "That salvarsan and other expensive drugs should be supplied gratuitously to all doctors for the treatment of their patients, with safeguards as to the doctors to whom it is supplied." One member protested against the publicity given to salvarsan and its substitutes, which, he said, are entirely on their trial. In certain acute cases the effect of salvarsan treatment is miraculous, but there is no evidence that it is the proper treatment for syphilis. He mentioned that at the outbreak of the war some doctors in London made a corner in salvarsan. It was agreed to adopt a recommendation of the Council that the obligation should be impressed on doctors treating syphilis and gonorrhoea to hand cards of instruction and warning to patients. It was also agreed to recommend that advertisements of remedies for venereal diseases should be prohibited.

Science and the State.

The British Science Guild have prepared a memorandum on the relations which should exist in future between the State and science. The memorandum proposes that a national statutory Board of Science and Industry, the permanent staff of which should consist mainly of persons of wide scientific knowledge and business experience, should be established, among other objects, to

Promote the co-ordination of industrial effort;
Secure co-operation between manufacturers and all available laboratories of research;

Institute a number of paid Advisory Committees consisting of men of wide scientific knowledge, assisted by expert investigators and technologists, who should receive reasonable fees for their services;

Organise scientific effort on the manufacturing side and in commercial relations with other countries;

Encourage investigation and, where necessary, give financial aid towards the synthesis and artificial production of natural products and for other researches.

The memorandum also urges that the courses at the public schools and at Oxford and Cambridge should be revised; that more attention should be given to scientific method and to educational handwork in elementary and secondary schools; and that a knowledge of science should be essential for certain appointments in the public service. A considerable number of persons of eminence in science, commerce and industry, and public life have signed the memorandum.

Leicestershire's Good Dispensing.

Dr. Bernard Dyer, in his report as public analyst to the Leicestershire County Council, states that of 108 samples examined under the Sale of Food and Drugs Acts, thirty-six were of medicine dispensed from prescriptions and thirty-six of seidlitz-powders. Each of the prescriptions included an ingredient of considerable importance in medical practice and at present in large demand, the price of which has risen largely owing to war conditions. This made it additionally gratifying to be able to report that in every case both the accuracy of the dispensing and the purity of the drugs were satisfactory. The seidlitz-powders were satisfactory in thirty-three of the thirty-six cases, both as regards the purity of the contents and the weight. In two cases the tartaric acid was contaminated with lead to an objectionable extent—70 parts per million in one case and 130 parts per million in the other.

Birmingham.

What is ammunition ale, which Mr. Liverscege analysed for the City Police? His report does not disclose the result of the analysis.

The Birmingham University Matriculation Pass-list contains the name of Vera Janet Alcock, of King Edward's High School, in the Class I. or honours list.

The Early Closing Association has been asked to establish a working-centre in Birmingham for the counties of Warwick, Worcester, and Stafford, to assist in getting early closing of shops a permanency.

Frederick Davis (43), herbalist, 44 Hurst Street, Birmingham, was on July 25 further remanded by the local Stipendiary to October 4 on the charge of performing an illegal operation on a single woman.

Birmingham shops are to remain open on August 7 and 8, Monday and Tuesday, as agreed by the Retail Trades Section of the Birmingham Chamber of Commerce at the request of the Government. The assistants are not to be the losers by the present action.

The Birmingham Pharmaceutical Association's price-list for August is again carefully revised, and is published by Mr. Henry H. Marshall, 126 Alcester Road, Moseley. As an appendix reference is made to the barbitone, etc., regulation, and to the cocaine and opium one.

Dr. Percy F. Frankland, F.R.S., has been appointed Dean of the Faculty of Science at the Birmingham University, of which he is Professor of Chemistry. Dr. Coole Kneale, in conjunction with Dr. Greenwood, retains charge of the materia medica and pharmacy department. The former was formerly in business as a chemist and druggist in Sparkhill, and sometime assistant with Mr. Charles Thompson.

Liverpool.

The Lancashire County Council has given instructions for a report on a scheme for combating venereal diseases.

The Summer Number of the *C. & D.* in war-time cover is being highly appreciated. In the words of a central area manager, "The advertisements form a volume for regular reference."

August has brought some decline of pharmacy business, but July ended with a run on American lines, owing to an influx of Canadian troops. No one asked either for cocaine or any similar article on the prohibited list.

In the course of an appeal decided by the Recorder of Liverpool (Mr. E. G. Hemmerde, K.C., M.P.) at Quarter Sessions this week, the deportation of a Chinaman being cancelled as a first offender, a police witness described Liverpool as the opium centre for the East. Opium seized by the police has been sold to manufacturing chemists who make it non-smokable.

Mr. William P. Evans has received over five hundred letters of condolence on the death of his hero son, recorded in the *C. & D.* last week. As Mr. Evans says, "His death was magnificent; but that is the only consolation" for the loss of a son who should have been his right hand and successor in business. Mr. Evans has two friends and neighbours likewise bereaved by the same battle.

About a dozen years ago an unkempt boy, with hands in pockets and slouching gait, entered a central area pharmacy and applied for a vacancy notified by a window-card, "Errand-lad wanted." Looking the candidate rapidly

over, the pharmacist bade him "Go home and wash yourself, clean your clothes and boots, smarten yourself up in your speech and walk, and call again if the place is still open." The youth, abashed, obeyed the command, secured the situation, and in a year became almost a new creature under the chemist's firm but kind tuition. He passed into an engineering-shop, and thence to sea. As a mercantile marine engineer he recently did a great service to his line on the occasion of a broken propeller-shaft in a remote port. He has since received a commission in the Royal Navy, and this week called to thank his first employer.

Jean Beloine Schouwer, commonly known as Léon Schouwer, chemist and druggist, 63 Rice Lane, Walton, Liverpool, an ante-1868 pharmacist, has passed away at the age of seventy-five. He was found dead in his bedroom at the above address, and at the inquest it was stated that he had been ill for some days, but he declined to accept the advice of a neighbour and of a police-constable to call in a doctor, his reply being that he could doctor himself. He did, in fact, send his shop-boy for a restorative not in his stock. Medical evidence showed that death was due to failure of the heart's action, attributable to valvular disease, and a verdict of "Died from natural causes" was entered. Deceased had been in business in Liverpool, formerly on his own account and latterly as manager, for sixteen years. Formerly he practised in London, where his wife died. He claimed to have dispensed for Royalty, but very little was known in Liverpool of his antecedents, and no will has been found. His verbally expressed wish to be laid by the side of his wife in London could not be carried out.

Manchester.

Damage amounting to about 200*l.* (covered by insurance) was caused a few days ago by a fire on the premises of Arthur Borton & Co., Ltd., surgical-dressings manufacturers, Heap Bridge.

The Manchester Corporation Electricity Committee has accepted the tender of Jos. Brookes, Ltd., Manchester, for surgical bandages, etc., required up to March next; and the Gas Committee has accepted the tender of Mottershead & Co., Manchester, for chemicals and chemical apparatus.

Sheffield.

The second list of chemists applying for exemption from military service, as finally decided upon by the Joint Committee, has been accepted by the Military Representative, and in due course the chemists, as notified by the Secretary, will receive their exemption certificates.

Exell Bros. are making rapid strides in their wholesale business. Having commenced in Ellesmere Road a few years ago, they now find their premises too small, and are removing the wholesale section to more central quarters at 20 Bank Street, the old offices of the "Sheffield Independent."

An appeal was made to the Sheffield Tribunal for the exemption of a dispenser to a firm of medical practitioners, who dispense 1,200 bottles of medicine per week, their former dispenser having joined the Army, and the firm say they are utterly unable to find a substitute. The Military Representative suggested that the firm should arrange with a chemist to make up the prescriptions. The applicant said the chemists were as greatly handicapped by the shortage of skilled assistance as were the doctors. The claim was disallowed.

Miscellaneous.

THE SANATOGEN CO., China, has been removed from the list of persons and bodies of persons to whom articles to be exported to China may be consigned.

WINDOW-SMASH.—The window of F. B. Wride & Co.'s shop in the Strand, Southampton, was last week smashed by a runaway horse attached to a laundry van.

WAR SAVINGS.—Over 200 members of the staff of Sangers have joined a War Savings Association which has been formed in four different departments of the firm. A very successful Association has also been started by the employees of S. Maw, Son & Sons.

EARLY CLOSING.—Boston Town Council on July 18 issued an order for chemists and druggists to close at 7 P.M. on Monday, Tuesday, Wednesday, and Friday; 1 P.M. on Thursday; and 9 P.M. on Saturday.

CELLULOSE ACETATE is to be made on a large scale at Spondon by the British Cellulose and Chemical Manufacturing Co., Ltd. This product, from which non-inflammable celluloid is made, has hitherto been mainly manufactured in Germany.

PHARMACIST VOLUNTEER TRAINING CORPS.—The company orders for the week consist of particulars of a route-march and drill on Epsom Downs on Sunday, August 6. The company will parade at Sutton Station, L.B. & S.C. Railway, at 11.15 A.M.

OPIUM FINES OF £50.—At East Ham Police Court on August 2, Lee Ah See, Yong Fook, and Chee Shang, Chinamen, of the steamship *Gleniffer*, were each fined 50*l.*, or ninety-one days' imprisonment, for attempting to export opium from the country.

THEFT.—At the Mansion House Police Court on July 28, Arthur Wheatley (19), motor-driver, was bound over in his own recognisances in the sum of 5*l.* for stealing a bottle of lime-cream and a pot of tooth-powder from his employers, Barclay & Sons, Ltd.

ALBERT W. WALKER, chemist's assistant, was sentenced at the Guildhall, London, E.C., on July 26, to twenty-one days' imprisonment for the theft of a large quantity of perfumes, drugs, and toilet-requisites from his employers, Willows, Francis, Butler & Thompson, Ltd., wholesale druggists.

ANALYTICAL REPORTS.—We have received abstracts of the reports made by the public analysts of East Ham, Hammersmith, Lambeth, Northampton, Poplar, Southwark, Westminster, and Yorkshire (East Riding). They are all of a conventional character and contain nothing of exceptional interest.

POISONINGS.—During the week the following cases have been reported: At Hackney a surgical-instrument maker named Wallar committed suicide with strychnine. A Mexborough miner took an overdose of laudanum which was administered for the purpose of relieving pain. Death by misadventure was the verdict at the inquest.

SALE OF NOXIOUS DRUGS.—Consequent upon the Report of the National Commission on the Birth-rate, steps are being taken to stop the use of diachylon for producing miscarriage. The Commission formulated a strong recommendation that the manufacture and sale of this preparation should be prohibited or severely restricted. The National Council of Public Morals is also dealing with the subject, and state that firms agree that the sale of the article should be practically prohibited by its inclusion, with strychnine and other strong poisons, in Part I. of the Poisons Schedule, but to prohibit the manufacture or sale of the substance in other forms in which it is commonly used by doctors would involve the destruction of a legitimate trade. It is understood that arrangements will be made for representatives of the firms to meet the Commission.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Madden & Co. announce that they have just opened a modern pharmacy at The Square, Skibbereen.

On July 30 a fire occurred in the stores of James A. Beck & Sons, Ltd., chemical-manufacturers, 9 Dalton Street, Bridge End, Belfast.

Mr. P. Moloney, Ph.C., Tipperary, who was arrested shortly after the Dublin insurrection, has been released from an internment camp in England and has arrived home.

After a service of thirty-four years as compounder and dispenser to the Listowel Dispensary, Mr. J. F. McGuire applied for the first time for four weeks' leave of absence. The Board granted the application.

At Holywood Petty Sessions, co. Down, on July 24, John Simpson Scott, Ph.C., on a charge of selling methylated spirit and wine without being licensed, was fined 50*l.*, mitigated to 12*l.* 10*s.*, with a further recommendation that the amount be reduced to 5*l.* in each case. Defendant did not appear.

The Local Government Board for Ireland has informed the Public Health Committee of Belfast Corporation that they see no objection to the payment of the sum of 16*l.* 16*s.* 4*d.* to J. & J. Haslett, Ltd., wholesale druggists, in respect of losses sustained on their contracts for supplies to Purdysburn Fever Hospital due to the outbreak of war.

At the quarterly meeting of the Belfast Corporation on August 1 the Council confirmed the resolution of the Police Committee authorising the Town Clerk to issue renewal of poison-licences to Mr. Arthur S. Ritchie, 51 and 53 High Street; Mr. Andrew Graham, of Joseph Orr & Son, Ltd., Ann Street; and Mr. Frank E. Smith, 15 and 17 High Street. These firms are seedsman and florists.

An Iniskilling Dragoon would have lost his life by drowning last week but for the pluck and presence of mind of Master W. Taylor, son of Mr. W. S. Taylor, Ph.C., Enniskillen. The soldier was in difficulties and shouted for help.

Young Taylor was undressing for a bathe, and hearing the cries of distress swam to the man, pushing in front of him an oar. The soldier grasped the oar, and Taylor was thus enabled to bring him safely to shore.

The Baltinglass Board of Guardians have passed a resolution directing the attention of the Commissioners of National Education in Ireland to the importance of cultivation and collection of medicinal herbs, and asking them to communicate with teachers to assist in promoting the industry. The idea is to encourage the pupils in the national schools to collect the herbs, and, while making money, get rid of the present dearth of these commodities. In other parts of Ireland the matter is also being discussed.

At the fortnightly meeting of the Police Committee of Belfast Corporation on July 27, it was reported, regarding the application of the Ulster Drug Trade Association to have an early-closing order made under the Shops Act, fixing two hours on the several days of the week at which chemists' and druggists' shops in the city shall be closed, that voting-papers for ascertaining the opinion of the occupiers of shops to be affected by the order upon the proposal had been issued, and were returnable by post on July 24. Of the 120 shopkeepers registered as chemists or druggists, seventy-eight had voted in favour of the proposed order. As two-thirds of the shopkeepers did not signify their approval of the proposal, the Council have no power to make the order, and no further action was taken on the subject.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Edinburgh.

One or two city chemists are speeding things up by means of "sales."

Another burden to be borne by pharmacists is reported. The water-rate is advanced 1d.!

A suburban shop, which has been fitted out as a chemist's for some time, has apparently postponed opening for business *sine die*. Qualified men are not to be secured anywhere.

Corporal David W. Reith, R.E., who was with Mr. J. Innes Fraser, Ph.C., Dundas Street, has been awarded the Military Medal for gallantry in the recent operations. He is only nineteen.

It is stated that the popular 2d. soaps (now 2½d.) will shortly be 3d. each—an increase of 50 per cent. The corresponding soaps in Germany have increased 800 to 1,000 per cent.—just another example in a small way of the effect of the naval blockade.

Portobello chemists seem to be enjoying a measure of prosperity at present, and those who cater specially for holidaymakers' custom have good window-displays. In spite of all that is penned by lay journalists regarding the success of the "no-holiday" movement, the beach at the Scottish Brighton would rejoice the heart of a popular preacher or a picture-house manager just now—if the shore could be wholly captured by either.

Business during July has been wonderfully good considering the war conditions under which we are living and working. Prescription-work has been almost at winter level in many cases. The prolonged wet and sunless weather had a prejudicial effect on health. Many people, too, are put out of sorts by anxiety about sons or husbands at the war. The consumption of bromides has been large notwithstanding the prices. This applies to N.H.I. dispensing as well as to private work.

High prices are no doubt a restraint to trade. Methylated spirit at 1s. 6d. to 1s. 8d. per bottle (a sixth of a gallon) is in diminished demand. The price of rectified spirit operates against a popular demand for lavender-water and eau de Cologne, owing to the necessity of raising the price; and the prohibition of the sale of glycerin or its employment in the manufacture of toilet-preparations means a reduction in sales in these connections. No matter how efficient the substitutes for glycerin compounds may be, they require introduction, and that needs time.

Glasgow and the West.

Two seamen were remanded on August 2 on a charge of attempting to export 800 lb. of opium to China. It was stuffed inside a piano.

Owing to the Government importation-restrictions on soaps from abroad, chemists are now displaying their own particular speciality more prominently.

Paisley chemists are now experiencing the benefits of automatic telephones. For local calls the connections are automatically effected by means of a numbered disc.

Many country chemists are taking advantage of the lateness of the Glasgow "Fair" holidays in having their own. The majority never got away until the end of September.

Private Alexander MacLaren, Glasgow Highlanders, son of Mr. A. B. MacLaren, druggists' sundriesman, 17 Cadogan Street, has been admitted to Stobhill Hospital suffering from shrapnel-wounds.

The Paisley Insurance Committee claim that their Medical Benefit Fund is arranged on such a principle that it cannot become bankrupt. Last year doctors were paid 10,278l. 11s. 5d., and chemists 1,874l. 15s. 5d., as only 53,697 scripts were dispensed.

Mr. W. Griffith, chemist and druggist, 21 Grafton Street, Glasgow, is a Bachelor of Music and F.R.C.O. whose composition-work has been referred to in the *C. & D.* His latest production is "When my Ship Comes Home," the words of which are by Ida Rowe; and West & Co., 24 Rathbone Place, London, W., have published the song with the music which Mr. Griffith has written for it.

Professor Frederick Soddy, Aberdeen University, writing to the "Glasgow Herald" of July 25, pointed out that Mr. Andrew Carnegie early in this century granted 1,000,000l. for the furtherance of scientific research. Little of that money has been devoted by the Scottish Universities to chemistry and medicine, and he questioned the legality of devoting it to arts and literature as has been done.

At a meeting of the Special Committee on Shops Acts of the Corporation, the Town Clerk reported that he had in terms of the Act given the statutory notice of the intention of the Local Authority to make a closing order for the trade of chemists and druggists within the city for the sale of goods other than medicines and medical and surgical appliances, which are specifically exempted by the Act, fixing 8 p.m. on Mondays, Wednesdays, Thursdays, and Fridays, and 10 p.m. on Saturdays as the closing-hours. Four objections had been lodged and considered by the Committee. As the petition had not been signed by two-thirds of the occupiers of the shops affected, the Town Clerk was instructed to take a vote in accordance with the Act.

South African News.

SHOP-HOURS OFFENCE.—James Moore, chemist and druggist, 124 Adderley Street, Cape Town, was fined 10s. for keeping his shop open after 7 p.m. on June 12 in contravention of the Shop-hours Ordinance of 1915. Charles Francis Spruce, a chemist employed by Heynes, Mathew & Co., Cape Town, gave evidence to the effect that he saw the shop open at 9.15 p.m. on the day in question. Defendant admitted that his shop was open at 10.10 p.m.; he had a large number of soldiers to serve with cough-mixture, and he served out a lot of eucalyptus oil.

ELECTRO-CHEMICAL INDUSTRIES.—A report has been issued by the Development of Resources Committee of the South African Institute of Electrical Engineers on the possibilities of establishing in South Africa on a commercial basis certain electro-chemical industries. The agriculture and mining industries alone require annually more than two millions' worth of chemicals, all of which are imported in the form of fertilisers, cyanides, and nitrates. The conclusion is arrived at that products like calcium carbide, cyanamide, and its derivatives can be profitably manufactured in South Africa, provided the necessary raw materials are available at reasonable cost. A factory for the production of ammonium sulphate has been established at Vryheid (Natal), and plant stated to be capable of producing 5,000 tons annually has been laid down at a cost of 350,000l.

INCREASED FREIGHTS.—The Union-Castle Line notify an increase in rates of freight from England to South African ports from July 10, which will mean a substantial advance in the cost of a large number of chemists' lines. The following rates of freight will be charged net, and include war surcharge with the usual primage and rebate to Delagoa Bay and Beira. The rates shown are to Cape Town and Algoa Bay. For Mossel Bay, East London and Natal, 5s. per ton must be added; for Delagoa Bay, 10s. per ton; and for Beira 15s. per ton. The general rate is 80s. per ton weight or measurement at ship's option, with certain exceptions. These exceptions are at Cape Town basis. (a) 60s. per ton weight, (b) 60s. per ton weight or measurement, (c) special rates. The foregoing rates apply to Union-Castle intermediate boats and cargo-vessels, and the mail-steamer rates are 5s. per ton higher than the foregoing, plus 5 per cent. primage.

Legal Reports.

A Horse Transaction.—At the Bradford County Court on July 25, Major Stansfield, carrier and carting agent, Princeville, Bradford, sued J. W. Savage & Co., Ltd., chemists and druggists, Listerhills, to recover the sum of 8*l.* 10*s.* in connection with the sale and purchase of a horse, which was sold later for 23*l.* 10*s.* Judgment was given for the plaintiff for the amount claimed, with costs.

Sale of Potassium Cyanide.—At Bury St. Edmunds, before Mr. E. W. Lake (Chairman) and other Magistrates, on July 27, Thomas H. Hall, chemist and druggist, was charged, under Section 17 of the Pharmacy Act, 1868, with selling cyanide of potassium without entering the sale in the poisons-book and obtaining the signature of the purchaser. The offence was admitted, and the defendant was fined 3*l.*

An Electrical Claim.—In the Lord Mayor's Court, London, last week, before the Recorder (Sir Forrest Fulton, K.C.) and a jury, Mr. J. C. Christie, electrical engineer, Mansell Street, Aldgate, E., sued Nobles' Drug Stores, Ltd., Well Street, Cable Street, E., and Whitecross Street, E.C., for 20*l.* 1*s.* 8*d.*, work done and material supplied in May and June 1915. The jury, after hearing evidence, found for the plaintiff, and the Court awarded 18*l.* 15*s.* 1*d.* of the claim.

Castor-oil Contract.—The hearing of this case (*C. & D.*, July 29, p. 811) was concluded before Mr. Justice Darling in the King's Bench Division on July 27. The action was brought by Stockdale & Doel, produce-brokers, Liverpool, against Mr. George Mitchell, who was interested in the British Indian Oil Mills Co., claiming damages for breach of a contract to sell 1,750 cases of castor oil. Defendant was alleged to have guaranteed the authority of a Mr. Hall (receiver for the debenture-holders) to make the contract, and it was eventually repudiated, the plaintiffs having been held liable to their purchasers for 834*l.*, which sum they now sought to recover against Mr. Mitchell. The jury returned a verdict in favour of Mr. Mitchell, for whom judgment was entered, with costs. Mr. Hall and the company, who were joined as defendants, admitted liability, and the plaintiffs obtained judgment against them.

Dentists Act.—At Marylebone Police Court on July 29, Henry John Goldberg, 27 New Cavendish Street, W., was summoned, under Section 3 of the Act, by the British Dental Association for using descriptions implying that he is registered under the Act or specially qualified to practise dentistry. It appeared that in a Press advertisement of the defendant the words were used: "He has robbed his own operating-room of all the terrors commonly associated with the word dentist; experienced dental surgeon"; and, "You will find there is no swank about Mr. Goldberg; unlike some other fashionable dentists, he does not pretend to be busy when he is really disengaged." The defendant stated that the advertisement was framed contrary to his instructions, and had he seen it he should not have allowed it to appear. It was stated that the defendant had been fined 20*l.* for using the words "dental practitioner." He was now fined 20*l.*, with ten guineas costs, on one summons, a second being withdrawn.

Receivers and Managers Appointed.—A motion on behalf of a debenture-holder to appoint a receiver and manager of Sandow's Cocoa and Chocolate Co., Ltd., was before Mr. Justice Sargant in the Chancery Division on July 28, when it was stated that the company consented to the appointment and submitted to judgment. Counsel for the plaintiff stated that an offer for the business was made which Mr. Justice Younger did not think large enough, and he said there must be a larger offer or a sale by tender. No tender was received, and the gentleman responsible for the first offer renewed it, but at a figure that was smaller by 5,000*l.* His Lordship appointed a receiver and manager, with liberty to act at once on the usual undertaking.—In the Chancery Division on July 28, Mr. Justice Astbury appointed a receiver and manager of a chemist's business carried on at 44 Ainslie Street, Grimsby. The appointment was made in connection with an administrative action of Freshney & Freshney.—His Lordship also appointed a receiver and manager of the business of A. Sargeant & Co., Ltd., chemists, Finchley, Palmer's Green, and Wimbledon Park.

A Prescription Dispensed.—At Leighton Buzzard on August 1, Horace Edward Herington (49), chemist and druggist, was summoned, under the Sale of Food and Drugs Act, 1875, for selling a certain drug to Inspector Henry James which, it was alleged, was not compounded of ingredients in accordance with the demand of the purchaser. Mr. Graham, Deputy-Clerk of the Peace for

Bedfordshire, appeared to prosecute, and said it would not be possible to go into the case that day, as the defendant had availed himself of his statutory right to have the third portion of the sample analysed. All he need do was to call the inspector to produce the sample. Mr. Kirby, of Neve, Beck & Kirby, solicitors, for the defendant, said there was a substantial question as to the analysis which justified their taking that course. Inspector James stated that he called at the defendant's shop on June 9 and asked to have a prescription made up. He was asked by Mr. Herington to call again for it, and he did so half an hour later. The assistant handed him the prescription, and he divided the sample into three parts in accordance with the requirements of the Act, handing one to the defendant. One sample was sent to the public analyst, and upon his certificate proceedings had been taken. The certificate was put in. In reply to Mr. Kirby, the inspector said he believed Mr. Herington had been in business twenty-four years, and numerous samples had been taken from him before. They had always hitherto been correct. This was the first prescription he had asked for. Mr. Kirby then asked that the third sample be sent to the Government Analyst and the proceedings adjourned pending his analysis. Major Haines, Chairman of the Magistrates, asked whether the defence accepted the first analysis. Mr. Kirby replied that they did not. The case was then adjourned until September 12, and the Clerk of the Magistrates was handed the sample for forwarding to the Government Analyst.

Births.

CORNISH.—At 21 Gedling Road, Carlton, Notts, on August 1, the wife of H. H. Cornish, chemist and druggist, of a daughter.

LEA.—At Cardiff, on July 22, the wife of Fredk. Lea, pharmacist (President of the Cardiff Pharmacists' Association), of a daughter.

McBIRNEY.—At Kilkeel, co. Down, on July 19, the wife of Robert B. McBirney, registered druggist, of a son.

REA.—At Roscrea, Tipperary, the wife of David Rea, Ph.C., of a daughter.

Marriages.

Authenticated notices are inserted without charge.

BODEN—HOWARD.—At the Albion Congregational Church, Ashton-under-Lyne, on August 1, Fred Grimké Boden, pharmacist, to May, youngest daughter of Mr. and Mrs. Wm. Howard, Carlton Road, Ashton-under-Lyne.

DICKSON—BROWN.—At the Carlton Hotel, Edinburgh, on July 28, J. J. Dickson, pharmacist, Uphall, to Mary Lyle, second daughter of Mr. and Mrs. W. L. Brown, Uphall.

McLOUGHLIN—GILCHRIST.—At the Devonshire Road Presbyterian Church, Newry, on July 19, Samuel McLoughlin, Ph.C., to Elizabeth (Lily), eldest daughter of Mrs. Gilchrist, Newry.

Deaths.

EPPS.—At 95 Upper Tulse Hill, London, S.W., on August 1, Mr. Hahnemann Epps, aged seventy-three.

FRANKLAND.—At 517 West 113th Street, New York City, on July 23, Mr. Frederick William Frankland, J.P., F.I.A., also of Foxton, Manawatu, New Zealand, eldest son of the late Sir Edward Frankland, K.C.B., F.R.S., aged sixty-two.

GRIFFIN.—At Leinster Lodge, Maynooth, recently, Mrs. Sara Mary Griffin, widow of the late William Hollingsworth Griffin, Ph.C., Dublin and Dromore.

ISAAC.—At 1 Clyde Road, Bristol, on July 18, Mr. George Washington Isaac, Ph.C., aged eighty-six.

JUDKINS.—At 1 The Crescent, Bedford, on July 23, Mr. William Edward Judkins, chemist and druggist, aged fifty-three.

OWEN.—At Vesper House, Whitland, South Wales, recently, Mr. Philip Nicholas Owen, chemist and druggist, aged sixty-four. Mr. Owen had been in business in the district some forty years, only retiring this year through failing health. He was a prominent public man, being Chairman of the County School Governors and Trustee of the Market House. Mr. Owen leaves one son (Dr. Owen, of Whitland) and a daughter.

RICHARDSON.—At Dundee, on July 27, Euphemia Edwards, widow of James Richardson, chemist, Port Elizabeth.

WHITE.—At "The Shrubbery," Tennyson Road, Dunstable, on July 22, Mr. Harold White, chemist and druggist, and for some time manager of the Park Street branch of Duberly & White, of Luton and Dunstable, aged thirty-four.

Died on Service.

DAVIDSON.—Bombardier Robert Davidson, who prior to enlisting was employed as a chemist's assistant, died of wounds at his home at Dumfries on July 26. Originally joining the R.A.M.C., he subsequently transferred into the Royal Field Artillery.

EDWARDS.—Drummer A. E. Edwards, of the Welsh Regiment, was killed in action in France on July 7. He was formerly a traveller for Bagby & Co., wholesale chemists and druggists, Cardiff.

EVANS.—Lieutenant E. H. S. Evans, 18th Battalion Lancashire Fusiliers, second son of Mr. William P. Evans



LIEUTENANT EVANS.

(director of Evans Sons Lescher & Webb, Ltd.), was killed in action in France on July 22, as reported in the Coloured Supplement of the C. & D. last week. Lieutenant Evans was twenty-four years of age, and was a bright and sociable young fellow who was held in high estimation by a wide circle of friends. He was educated at Bilton Grange and Charterhouse, and commenced his business career with his father's firm. Soon after the outbreak of war he enlisted in the O.T.C., Lincoln's Inn, whence he received his commission, and left with his regiment for France in January this year.

A fellow-officer, writing to his father, paid high tribute to his comrade's bravery. A memorial service was held in the Parish Church, Bidston, on July 30. The congregation included the relatives, many of the staff of Evans Sons Lescher & Webb, the Major and Captain (both recovering from wounds) of the late officer's regiment, many of his fellow-members of the Liverpool Chemists' Association and other local pharmacists, including Messrs. L. Moreton Parry (Pharmaceutical Council), D. H. Evans (Hon. Secretary), W. H. Chubb, Henry Peet, John H. Robinson, H. V. C. Last, John Bain, and T. Fell Abraham. The service, which was conducted by the Vicar, was very impressive. Mr. Evans has two other sons with the Forces. One, Captain W. T. Evans, of the Welsh Regiment, was wounded at Ypres in October 1914, and for the last twelve months had been at the Staff College, Camberley. He, however, has now returned under orders to France, having received a Staff appointment. Mr. Evans's youngest son, Second-Lieutenant Ernest V. Evans, is at Whittington Camp, with the 3/4th Cheshires, under Colonel Blood.

GRAY.—Private Stanley Gray, of the Yorkshire Regiment, who was assistant to Mr. T. M. Holmes, chemist and druggist, Bowness, Windermere, when he enlisted, has been killed in action in France.

HARTLEY.—Corporal Ernest Hartley, of the Royal Fusiliers (Public School Battalion), has died of wounds. He was formerly of Messrs. Hartleys, chemists and druggists, Nelson, Burnley, and other towns.

PLATTS.—Lieutenant A. Leslie Platts, Suffolk Regiment, was killed in action on July 21. He was the youngest son of the late Arthur Platts, of Gainsborough, Lincolnshire, and Mrs. W. George Whiffen, The Clock House, Wimbledon Common. A correspondent writes: "He was a most charming young man, and a most devoted son. Beloved by all his friends."

STEWART.—Killed in action on July 13, Sergeant William John Stewart, of the Royal Fusiliers, aged twenty-nine. He was one of the three sons serving with the Colours of Mr. J. W. Stewart, Ph.C., Bridenorth, and after passing the Minor examination in July 1910 was an assistant with Strickland & Co., chemists, Kensington. He joined the Army in October 1914, he and a pharmaceutical friend being attached to the Kensington Battalion of the London Regiment, and he was promoted to sergeant's rank. He met his death after taking the place of another sergeant who had been badly wounded, being hit by a machine-gun bullet, and death was instantaneous. "I think your son was the most popular N.C.O. in my company, and his death has cast a gloom over all. He was a great favourite." So

wrote an officer to his father, adding other appreciations that show how well our men are cared for in life and death.

UMNEY.—Killed in action, on July 24, Second-Lieutenant Basil Charles Lovell Umney, Royal Fusiliers, only child of Mr. and Mrs. Percy Umney, "Roslin," King's Road, Richmond, Surrey, and grandson of Mr. Charles Umney, Ph.C., aged nineteen.

VOELCKER.—Second-Lieutenant Harold Edward Voelcker, South Lancashire Regiment, who was killed in action on July 20, at the age of twenty-two, was the eldest son of Dr. J. A. Voelcker, F.I.C., F.C.S., consulting chemist to the Royal Agricultural Society of England. Lieutenant Voelcker was slightly wounded in Gallipoli, and was invalided home in consequence of an attack of typhoid fever. He rejoined his regiment in February last.

WILCOCK.—Second-Lieutenant N. Wilcock, son of Mr. F. A. Wilcock, chemist and druggist, Victoria Street, Wolverhampton, was killed in France on July 10.

WILSON.—Recently, Sergeant Cecil Roy Wilson, of the King's Royal Rifles. He was apprenticed to Mr. F. P. Watson, Ph.C., Bailgate, Lincoln, and remained with him as an assistant until last October, when he joined the Army. His age was twenty-two.

Personalities.

MR. MAJOR HILL, chemist and druggist, Wisbech, has been co-opted a member of the Isle of Ely County Council, in place of Mr. Jas. Yates, who has been appointed an alderman.

CORPORAL WALWIN, of the Royal Gloucester Hussars, was officially reported killed on Easter Sunday. Mr. W. Walwin, chemist and druggist, Gloucester, has now received a letter from his son saying that he is quite well but a prisoner of war.

MR. RICHARD C. WREN, F.L.S. (Potter & Clarke, Ltd.), is W.M. of the Canute Lodge 3104 of Freemasons at Westcliff, and at the meeting of the Essex Provincial Grand Lodge at Southend-on-Sea on July 26, Provincial Grand Master Sir Mark Lockwood, M.P., made him Provincial Grand Steward.

MISS WINIFRED WELLS, daughter of Mr. A. J. Wells, chemist and druggist, 139 Barton Street, Gloucester, has passed with distinction the examination for the degree of M.B., Ch.B. in Sheffield University. Miss Wells has been given the John Hall gold medal in pathology, which has not been awarded since 1913, nor has it been previously gained by a woman.

STAFF-SERGEANT F. E. SMITH, A.M.C., is at present in this country. He is a chemist, and was in business at Maryborough, Queensland, until he answered the call. Staff-Sergeant Smith is a Scot, and was apprenticed with Mr. Burrell, Montrose, and his studies for the Qualifying examination were conducted under Dr. A. P. Luff, who at that time was a well-known pharmaceutical coach in London. He brought us a cheery message from Mr. R. C. Cowley, and promises after the war to let us have his views on the pharmaceutical side of the Army Medical Service.

A. J. BRADLEY, elder son of Mr. T. H. Bradley, pharmacist, Stavely Town, who has been for the last six years a pupil at the Chesterfield Grammar School, has been successful in gaining the following Manchester University scholarships, tenable for three years: A Hulme Hall Manchester open scholarship of 30l. per year; a Derbyshire County Major scholarship of 45l. per year; and a school leaving exhibition of 30l. per year. In the Major examination he received full marks for geometry, and distinction in pure and applied mathematics. The age limit in each examination was twenty years. C. A. Bradley, the younger son, last year won a County Minor scholarship, tenable at Chesterfield Grammar School.

THE funeral of Sir William Ramsay took place at Hazlemere, near High Wycombe, on July 26, many representatives being present of the various scientific bodies with which Sir William has been actively associated. The Royal Society was represented by Professor Sir J. J. Thomson and Professor Emerson Reynolds; the Chemical Society by Sir William Tilden, Sir James Dobbie, Dr. Alexander Scott, Mr. A. Chaston Chapman, Lieut.-Colonel Arthur Smithells, Professor Liversedge, Professor J. M. Thomson, Professor Percy Frankland, Professor H. E. Armstrong, Professor Jocelyn Thorne, Professor W. H. Perkin, Dr. Smiles, and Professor Phillips. The Society of Chemical Industry was represented by Sir Boverton Redwood, Mr. Walter F. Reid, and Mr. T. F. Burton. Among others present were Dr. George Senter, Dr. Morris W. Travers, Professor F. G. Donnan, Professor A. R. Cushney, and Mrs. Watson-Will.

Trade Notes.

AYRTON'S COCOA TABLETS have, in consequence of the reduction in cocoa-duty, been reduced in price as from August 1.

DENTISTRY FOR PHARMACISTS is undertaken by Birkett & Birkett, 189 East India Dock Road, Poplar, London, E. A pithy address by them is given in this issue.

OLIVIER & Co., 20 Great St. Helen's, London, E.C., offer the white Algerian infusorial earth, which is an excellent kieselguhr. They have it in lump as well as in the ground state for all industrial and pharmaceutical processes.

S. MAW, SON & SONS, Aldersgate Street, London, E.C., have fixed the following new business-hours for their establishment, as from and including Monday, August 7—viz., 8.30 A.M. to 5.30 P.M., and on Saturday the closing-hour will be 1 P.M.

SAFETY-RAZORS.—Mr. W. P. Kelland, 36 Camomile Street, London, E.C., sends us a copy of his new catalogue. It is printed in English and French in parallel columns. Illustrations are given of the various patterns of razors, which, it may be noted, are British made.

PROPRIETARY ARTICLES TRADE ASSOCIATION.—The additions to the protected list in July are: Bourjois' Manon Lescart powder; The British Drug Houses' Eastern Foam; Bishop's Natural Fruit saline; "Goco" artificial-teeth cleanser; Ingram's Whirling Spray syringe; Saunders' milk tablet and other specialities; Snow's Beetawine and Ratswar.

ONE EFFECT OF THE WAR is that the National Cash Register is seen in many more business places than it used to be, because it reduces labour. Those of our readers who have not a register in use should get particulars from the National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W., who are desirous of giving everyone full information.

PETROL RESTRICTION.—Owing to the new Government Order in regard to the supply of petrol for motor-cars, Sangers, 258 Euston Road, London, N.W., ask the co-operation of the trade in their deliveries by car. In an interesting statement the firm mention that their cars cover 14,000 miles per month. It will be noted that Sangers cannot any longer collect articles not stocked, other than chemicals, drugs, and packed pharmaceuticals.

EXPENSIVE SOAP.—At the garden-party of the Poplar Volunteer Training Corps on July 20, Edward Cook & Co., Ltd., had a soap-stall, the soap of which was sold for the benefit of the Corps. "Pay what you like" was the principle upon which the stall was run. During the evening some of the soaps were put up for sale by auction. One guinea for a box of three tablets was a common price, and 45s. was fetched in some cases for boxes of three cakes of Riviera and Throne soap.

TABLOID ASPIRIN.—Burroughs Wellecome & Co., Snow Hill Buildings, London, E.C., use their advertisement this week to bring before the trade what they are doing in the manufacture of aspirin. We happen to know that this manufacture has been developed on a sound basis, with the consequence that the chemical is being turned out in large quantities and of exceptional purity. It will also be noted that the quoted prices show considerable reduction as a consequence of the scale upon which the aspirin is being made.

BURGOYNE, BURRIDGES & Co., LTD., East Ham, intimate that "in view of the curtailment in the postal services rendered necessary by the depletion of staff, it would materially assist the authorities to deal with postal matter if our friends would take steps to ensure that their correspondence is posted as early as possible, and not left until the latest mailing time. This would also ensure orders reaching us by first delivery instead of by afternoon delivery as frequently happens at present."

TOKALON, LTD.—Mr. C. H. Nicholson, managing director of Tokalon, Ltd., 212-214 Great Portland Street, London, W., informs us that the notification in the "London Gazette" as to the To-Kalon Manufacturing Co., Ltd., being struck off the register (*C. & D.*, July 29, p. 811) does not mean that the business of Tokalon, Ltd., is to be wound up. On September 27, 1912, Tokalon, Ltd., was registered as a company in order to take over the assets of the To-Kalon Manufacturing Co., Ltd., and an undertaking was given by Tokalon, Ltd., to dissolve the To-Kalon Manufacturing Co., Ltd., and remove its name from the register as soon as all outstanding accounts had been collected. This formal matter is now being attended to, and that is the sole meaning of the notification referred to. We are informed that somebody has supposed the notification to mean that

Tokalon, Ltd., is of German origin, which is an utterly erroneous supposition.

HOOKE'S MALTED MILK.—This preparation is manufactured by Thew, Hooker & Gilbey, Ltd., Buckingham, and is a well-established preparation, for on November 28 "The Lancet" reported upon an analysis of Hooker's Malted Milk, stating that it contains maltose and lactose 55.8 per cent., dextrin 16 per cent., protein 14 per cent., fat 9.2 per cent., and mineral salts 3.5 per cent., the balance of 1.5 per cent. being moisture. The preparation occurs in the form of a powder, which mixes easily with water, forming an adequate nutrient for children as well as for adults. It is put up well in substantial bottles with screw tops, and pharmacists should note that the 1s. 6d. size contains 10 oz. of the product, the 2s. 6d. size 20 oz., and the 6s. 6d. size 60 oz., and that the minimum retail prices are 1s. 4d., 2s. 3d., and 5s. 9d. The milk is a reliable article, which appeals to retail chemists.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," July 26, 1916.)

- "OBLOID"; for chemicals (1, 2, and 3) and for food substances (42). By D. M. Menzies, 143 Gray's Inn Road, W.C. 372,828/829/830/831.
- "WIFARNO"; for a chemical preparation for restoring buildings (1) and for a cleaning preparation for same (41). By G. Whittle, Mansfield Road, Nottingham. 373,319/20. (Associated.)
- Hexagonal device enclosing monogram "M. & J." and words, "THE MARK OF HIGH QUALITY"; for chemicals (1, 2, and 3), surgical instruments, etc. (11), and for goods (42, 41, and 48). By Menley & James, Ltd., Farringdon Road, E.C. 373,615/6/7/8/9/20/21.
- Device, including moth, with words "RUDKIN'S MOTH BROCK," and monogram "R.D." ("Rudkin's" disclaimed); for an insecticide (2). By R. Drane, Ltd., 16 Queen Street, Cardiff. 372,417.
- Diamond-shaped device, with words "THE PELICAN CHEMICAL CO., LTD.," and pelican's head; for chemicals (2). By the Pelican Chemical Co., Ltd., Sardinia House, Kingsway, W.C. 373,163.
- "ZEKOS" on label; for medicinal chemicals (3). By W. J. Doe, 130 Kingston Road, Merton Park, Surrey. 372,731. (Associated.)
- Device of herald carrying banner; for goods (3). By Evans Sons, Lescher & Webb, Ltd., Liverpool. 373,098. (Associated.)
- "BISURADA"; for medicinal chemicals (3). By Bismag, Ltd., 212 Great Portland Street, W. 373,449. (Associated.)
- "BISMOR RESOL"; for a medicine (3). By Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, E.C. 373,604.
- Device of man dyeing fabric; for all goods (4). By the Lancashire Aniline Colour Co., Ltd., Manchester. 373,123.
- "PERNITSIL"; for explosives (20). By F. E. W. Bowen, 1 Queen Victoria Street, E.C. 373,408. (Associated.)
- Oval and round label devices; for filter-papers (39). By W. & R. Balston, Ltd., Maidstone. 369,493/4. (Associated.)
- "ORLA"; for food-substances (42). By Lake, Orr & Co., Ltd., 110 Kender Street, New Cross. 372,842.
- "BIGOLENE"; for goods (42). By Bigland, Sons & Jeffreys, 11 and 13 Rumbold Street, Liverpool. 373,227. (Associated.)
- "VITAMINEN," "VITAMINOL," "VITAMINAL," and "VITAMINOID"; for food-substances (42). By the Marmite Food Extract Co., Ltd., 59 Eastcheap, E.C. 373,450, 373,451/2/3. (Associated.)
- "ST. MUNGO"; for mineral and aerated waters (44). By the Globe Co., Ltd., 157 St. Vincent Street, Glasgow. 373,532.
- Device of fanciful Chinese animal; for all goods (47). By J. H. Richards, 81 Szechuen Road, Shanghai. 373,632.
- "JUNOFLORES"; for perfumery, etc. (48). By Edwards Harlene Co. and Edwards & Co., 20-26 Lambs Conduit Street, W.C. 372,755.
- "BELFEY"; for perfumery, etc. (48). By R. Dixon & Co., Ltd., Canal Street, Rochdale. 373,223.
- "UNE NUIT DE MAI"; for perfumery, etc. (48). By the Standard Tablet and Pill Co., Ltd., Hove. 373,237.

Observations and Reflections.

By Xrayser II.

Your Summer Number,

despite the distracting conditions of the time, shows no falling-off in comparison with previous issues of the kind, and you must be congratulated upon the variety of interest—literary, historical, scientific, commercial, and (to borrow a phrase from Mr. Venus) “human various”—you have managed to crowd into it. My copy reached me as I was starting on a brief country holiday, and though I make a point of leaving “shop” as far as possible behind on such occasions, I could not refuse so attractive a volume, bulky as it is, a place in my portmanteau. There is much in it which accords with the holiday mood, and naturally this feature is at such a time the most attractive of all. Mr. Bell’s estimate of Shakespeare’s medical lore is, if I may judge from newspaper notices, in close accordance with that of Mr. Alban Doran in the important work, “Shakespeare’s England,” published last week by the Clarendon Press. The curious illustration from the “Herbarium Apuleii Platonici” reminds me that I was once asked by a rustic herbalist to assist in uprooting a mandrake, as he had been told it was “a tickle job.” As I anticipated, the supposed mandrake proved to be bryony.

Sir Edward Evans’ Optimism

is refreshing, coming from such a source, but I believe that as a rule men of long and wide experience are the most confirmed, as they are certainly the sanest, optimists. The articles on belladonna-cultivation and herb-growing in general are very pertinent, but these and others to which the remark is equally applicable must be left for possible future comment. The one on “Women in Pharmacy” is of even greater immediate importance to many of your readers, and is as interestingly written as it is opportune. A point particularly noteworthy is that women will never have the same value in practical pharmacy as men until they take it up in the same manner and spirit; that is to say, by regular apprenticeship and with the intention of permanently living by it. With this proviso there is no reason why they should not succeed as well as men; the question is whether such success would not, for many women, be too dearly bought. In any case it is certain that to begin business as a pharmacist in the lecture-room is to take up the stick by the wrong end.

Professor van der Wielen’s Researches

and the conclusions based upon them are extraordinarily valuable. It is true that Bourquelot and other Frenchmen had opened up the subject, but the method suggested, treatment by the vapour of chloroform, has, so far as I am aware, only been applied commercially to digitalis-leaves. Now that Van der Wielen has shown that there are numerous other drugs which can be effectively stabilised—a most useful and expressive word—there is no reason why we should not be able to solve many of those galenical problems that have for years been the worry of successive generations of pharmacists. It is more than probable that those drugs which are prone to decompose, such as aconite, coca, kola, and probably many of the less toxic alkaloidal drugs, glucosidal drugs, like digitalis and strophanthus, and the numerous class of drugs, such as gentian and senega, which suffer from so-called pectinisation, and even kino, which is not yet perfect, may all be brought by alcohol or other suitable treatment to a condition of stabilisation. This means an immense step forward to experts whose whole energies have been devoted to the preservation of galenicals; what it means to the therapist and to the physician in their fight with disease can only be dimly apprehended.

The Future of the Chemical Industry

in this country, after the war, need not give rise to any pessimism. The whole genius of the British character comes to the front on occasions such as this. It leaps to the fight when it

is faced with difficult problems, and there are always master-minds ready for the critical moment when it arrives. Whenever anything is declared to be impossible, then is the time to watch the men who will step forward and do it—men of the calibre of Carr, Dott, Hill, and Morson, and a hundred others. To a nation that raised an army of five millions, putting to silence those who prognosticated that an army of two millions was impossible, the work of extracting alkaloids and manufacturing synthetics is child’s play. We have not monopolised these things in the past, because there was no need to do it. The great principle of division of labour was in force, and we left many of these things to the Germans as their share in the world’s work. Now that we know the sinister motives and the hellish deeds of these people, and have learned our lesson, we say, “Never again,” and the same British doggedness that is winning the war will win on the fields of manufacturing chemistry and commerce. I entirely share the optimism of Sir Edward Evans, and look out on the future of the British Empire with assured hope and calm confidence.

New Companies.

HIGH TEMPERATURE GENERATORS, LTD.—Capital 1,000*l*. First directors are H. G. Atkinson and E. Holwill. R.O., 315 and 317 Kennington Road, S.E.

TEMPLE LABORATORIES (P.C.)—Capital 300*l*. Objects: To carry on in the United Kingdom the business of chemists, manufacturers of and dealers in all kinds of medicines, medical and surgical appliances and instruments, chemical apparatus, etc. The subscribers are J. Walker and D. Jacob. R.O., 74 Hill Street, Birmingham.

CONWAY’S DRUG CO., LTD. (P.C.)—Capital 200*l*. Objects: To take over the business carried on as “Conway’s Drug Stores” at 40 Wimbledon Road, Tooting, and to adopt an agreement with Ada A. Conway. W. G. Conway is first permanent managing director, with 150*l*. per annum as remuneration. R.O., 43 Wimbledon Road, Tooting, S., Surrey.

E. A. PULLEN & CO., LTD. (P.C.)—Capital 2,000*l*. Objects: To take over a business of die-sinkers, makers, and press-workers, carried on by E. A. Pullen & Co., and to carry on *inter alios* the business of chemists and druggists. The first directors are J. Forrest, E. A. Pullen, S. Wyatt (chemist), and A. J. Bonham. R.O., 117 Wainwright Street, Aston, Birmingham.

Deed of Arrangement.

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Editorial Articles.

Cocaine and Opium.

A PROCLAMATION by the King prohibiting the importation of cocaine and opium into the United Kingdom, and a Regulation made under the Defence of the Realm Consolidation Act, 1914, as regards the sale of them, were gazetted on July 28, and are reprinted in this issue, p. 34. It is understood that the Home Secretary (Mr. Herbert Samuel) moved in the matter as regards cocaine, and that opium suitable for opium-smoking was added so that the smuggling which has recently been prevalent should be stopped. The Proclamation and the Regulation embrace the knowledge in regard to poisons legislation which might be expected of the Privy Council and a Home Secretary who has special experience of legislation on the subject, for it will be remembered that Mr. Samuel saw the Poisons and Pharmacy Act, 1908, through the House of Commons. This may account for the straightforward and simple manner in which he deals with the "cocaine curse," as it has been called, and we are assured from more than one quarter that there is too ample reason for dealing with the matter so as to ensure that sales of cocaine and its preparations to the public may not be made. The broad facts are that the Proclamation prohibits the importation of cocaine and opium as defined (see p. 34), unless by persons who are licensed so to do by a Secretary of State. There are in this country perhaps not more than a score of people who import these articles for sale to wholesalers and others. Each of these must now (since July 29) obtain a licence from the Home Secretary, and then he may sell only to authorised persons. We see what this means by reading the full text of the Regulation, the broad effect of which is to stop sales by retail of cocaine and its preparations unless they are weaker than 1 of the alkaloid in 1,000, the result being that cocaine as defined may only be supplied on the prescription of a registered medical practitioner, and this prescription may not be repeated unless the practitioner gives written authority. It will be observed that "cocaine" includes all preparations, salts, derivatives, or admixtures prepared from it, and that "opium" means raw opium or powdered or granulated opium. The Regulation is silent about how those authorised to dispense cocaine are to get it, but this is simply because it does not interfere with the present conditions applicable to wholesale dealers, except that such dealers since July 29 have not in strict law been able to sell cocaine unless to authorised persons. Consequently all wholesalers who have not done so should apply to the Home Office, Whitehall, London, S.W., for the general or special permit provided by the Regulation, which will enable them to buy from the importer and thereafter sell to any authorised person. The Regulation describes seven classes of authorised persons who may sell, give, procure, or supply cocaine legally—viz., (1) medical practitioners; (2) registered dentists; (3) registered veterinary surgeons; (4) persons, firms, or bodies corporate who may legally carry on the business of a chemist and druggist in Great Britain; (5) those who can act similarly in Ireland; (6) apothecaries in Ireland; and (7) persons holding

a general or special permit from the Secretary of State to purchase the drug. It is this last class that includes wholesalers and others who operate between the importers and chemists or others specified as authorised persons. There is this important difference between wholesalers and chemists and druggists: the latter may not sell 'unless in the manner prescribed by a medical practitioner, but the wholesaler with the (7) permit may sell cocaine to any of the authorised persons covered by the seven classes, *but to nobody else*. The Home Office is taking every precaution as to the *bona fides* of applicants for licences or permits, and we warn the trade to be frank in their applications, and to give full information as to the stocks they hold, what their sales have been in the past, and to whom. Authorised persons should observe that the Regulation requires a book to be specially set apart for the purpose of entering cocaine prescriptions, and every person who deals in cocaine or opium has to keep a record of sales. It may also be noted that the Regulation does not apply to eucaïne, novocaine, or other substitutes for cocaine; nor does "opium" include preparations of that drug nor its alkaloids. Questions put to Mr. Samuel in the House of Commons dealt solely with the use of cocaine by unqualified dentists, and the Home Secretary told his questioners that their friends might use novocaine. We do not think there is much difficulty in meeting the requirements of unqualified dentists: proprietary preparations exist which are free from cocaine, yet are efficient local anæsthetics. The main thing at present is to stop the malevolent use of cocaine; the Proclamation and Regulation should go a long way towards doing this without seriously embarrassing practice or trade, and we feel sure that our readers will give the matter fair trial.

The Home Secretary has issued the following statement in regard to the book which has to be specially kept by authorised persons in respect to their transactions in cocaine and opium:

In pursuance of the Defence of the Realm (Consolidation) Regulations, I hereby prescribe that the record of dealings in cocaine or opium required by Regulation 40B to be kept by every person who deals in cocaine or opium shall be in the form contained in the schedule hereto, and that separate records shall be kept for cocaine and opium respectively.

(Signed) HERBERT SAMUEL,

One of His Majesty's Principal Secretaries of State.
Whitehall, July 31, 1916.

Schedule.

Date of Sale	Name of Person, Body, or Firm to whom Sold	Address of Person, Body, or Firm to whom Sold	Authority of Person, Body, or Firm to Purchase (i.e., whether Duly Qualified Medical Practitioner, etc., or with Permit of Secretary of State. If Permit give date)	Amount of Opium (or Cocaine) Sold	Form in which Sold	(For Cocaine only) When Sale is on a Prescription specify the Ingredients of the Prescription

Up to Thursday morning the wholesale business in these commodities was practically at a standstill. Many traders had applied to the Home Office for permits, but these are not being granted until the officials ascertain by inquiry or otherwise the position of the person or firm asking for the permit. We are assured that the matter will be expedited as far as possible, but it is necessary that in the first instance the authorities should

learn directly the facts in all cases, so that for the future matters will go smoothly. So far really necessary supplies of opium are going forward under official sanction, and brokers are co-operating with the Home Office. Eucaïne and novocaine are being obtained for dental purposes.

Medicine-stamp Revenue.

ON July 22 we referred to the Customs and Excise Report for the year which ended on March 31, 1915, and dealt with the revenue from the licence and stamp duties on medicines, adding that "since October 20, 1915, the duties have been doubled, and we may expect a revenue of about half-a-million from stamps alone, and in subsequent years the revenue will increase." This sentence shows a more cautious or less sanguine temperament than is justified by the facts, for the Board of Customs and Excise has now furnished us with the figures for the year which ended on March 31, 1916, and these figures show that the receipts from the duty have almost doubled. The total amount obtained in 1916 from the sale of medicine-stamps was 627,454*l.* 3*s.* 5*d.*, of which England yielded 617,878*l.* 14*s.* 6½*d.*, and Scotland 9,575*l.* 8*s.* 10½*d.* A little less than six months of the double duty is included, yet the total compares with a total yield of 333,777*l.* in 1914-15. It is interesting to recall that when the stamp-duty was first imposed in 1783 at the minimum rate of 3*d.* per packet, it was anticipated by Lord John Cavendish that the tax would yield 15,000*l.* a year. There was a feeling of disappointment in the first instance because the revenue was not so great, but by 1829, which was a long time after the duty had been reduced to the 1½*d.* per 1*s.* rate, the revenue amounted to 37,000*l.*, of which 10,000*l.* was derived from soda-water, the stamp-duty on it not being removed until 1833. The annual yield kept in five figures until 1875, when 114,323*l.* was the amount obtained from stamp-duties. By 1889 the revenue had grown to 202,375*l.*, and so it went on increasing year by year with the slight variations that we mentioned on July 22; by 1895-96 the stamp-duty yielded 238,945*l.*, in 1905-6 the total was 324,112*l.*, and last year, with the doubled stamp-duty imposed from October 20, 1915, the total had increased to 627,454*l.* This proves conclusively that the doubled stamp-duty is not to reduce the consumption of stamped medicines, even although there are slightly fewer retailers in business now; for in 1915-16 there were in England and Wales 39,122 licensed, compared with 39,492 in the previous year, but in Scotland there are a few more—namely, 3,248, compared with 3,239 in 1914-15, the total revenue from licences being 10,593*l.* We printed in our issue of July 22, p. 43, a table of the figures from 1902-3, which may be compared with the foregoing.

Labelling of Medicated Wines.

IN our issue of last week (*C. & D.*, p. 762) it was stated that "the matter of liability is to be postponed from August 7 until October 9." This should have been "the matter of labelling."

Advertising Cocaine.

IT will be observed that the cocaine regulation introduces a new element into pharmacy law. It begins:

If any person sells, gives, procures, or supplies, or offers to sell, give, procure, or supply, cocaine to or for any person, other than an authorised person, in the United Kingdom, he shall be guilty of a summary offence against these regulations.

This provision will not, we are informed, prevent advertising by manufacturers and wholesalers whose dealings are with authorised persons, but we think it is doubtful if advertisements of odd lots will be similarly treated, therefore advertisement offers of cocaine and its salts will no longer be inserted in THE CHEMIST AND DRUGGIST Supplement.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

COCAINE AND OPIUM REGULATIONS.

The regulations regarding the importation and sale of cocaine and opium, which were adopted at the meeting of the Privy Council on Friday last, continue (writes our Parliamentary correspondent) to receive a good deal of attention at the House of Commons. Before the meeting of the Privy Council notice had been given of a number of additional questions on the matter, and these were addressed to the Home Secretary in the House of Commons on Monday, July 31. The questions were by Mr. Raffan, M.P. for Leigh (as to use by dentists); Mr. Toothill, M.P. for Bolton (also in regard to dental anæsthetic); Mr. W. C. Anderson, M.P. for Attercliffe (on a similar subject); Mr. Chancellor, M.P. for Haggerston (also about dental use); Mr. Outhwaite, M.P. for Hanley (about unregistered practitioners being deprived of cocaine); and Mr. H. A. Watt, M.P. for Glasgow (College), asked whether the right hon. gentleman is aware that the dental needs of the community in many parts of the country, especially in industrial and outlying agricultural districts, are met almost exclusively by the services of unregistered practitioners in dentistry; and seeing that it is proposed by the draft regulations now under consideration by the Privy Council to injure these men in their practice by withholding from them the opportunity that they have hitherto enjoyed of obtaining the necessary quantities of cocaine solutions for the purpose of administering local anæsthetics in their dental practices, will he say what action he proposes to take. To all the questions, collectively, Mr. Herbert Samuel gave the following reply:

The use of cocaine by registered dentists is not interfered with. As regards the persons who are referred to in the question as unregistered practitioners in dentistry, he is aware that there are a considerable number of persons who do dental work without being registered under the Dentists Act, but these persons are not possessed of the qualifications for the work which are required by the Act, and are not entitled to take any name implying that they are specially qualified to practice dentistry. He has considered very carefully the position of these persons, but it would go a long way to nullify the order and defeat the object which the Government have in view if any person who chooses to set up as an unregistered dentist were permitted to obtain and administer cocaine. He sees no reason for thinking that any serious hardship will be caused by the prohibition to the unregistered dentists or to their patients. There are other and less dangerous drugs which can be used for the same purpose. One such drug is novocaine, which is already largely in use in dentistry.

Mr. Raffan gave notice that in view of the unsatisfactory reply he would call attention to the matter on the adjournment.

Mr. Hogge: Why cannot the unregistered dentist have the same quantity as the registered?—Mr. Samuel: For the reasons stated in my reply.

Mr. Anderson: Is the right hon. gentleman aware that this drug is supplied in solution of less than 1 per cent. under circumstances that make its improper use impossible?—Mr. Samuel replied that it was necessary to have restrictions in view of the grave evil which existed.

Mr. Raffan: Will the right hon. gentleman now allow novocaine to be used?—Mr. Samuel: I was certainly under the impression that it could be used now.

Mr. Chancellor: Is he aware that these unregistered dentists have a large practice among the working classes, and that it will be a great hardship to a large number of people if they are not allowed to secure the drug in a harmless form.

Sir H. Craik: Is the right hon. gentleman aware that it is a very grave danger to the public?

Mr. Raffan: Will these men have an opportunity of stating their case before he takes these drastic steps?

Mr. Samuel: The regulations are already made.

Mr. Watt: Is the right hon. gentleman aware that there are 2,000 members of the Incorporated Dental Society, and is he going to issue cocaine to registered dentists?—Mr. Samuel: Registered dentists are not exposed to any restrictions.—Mr. Hogge: Why cannot the unregistered men have the same quantity as they have been using before?—Mr. Samuel: For the reasons given in my very full reply.

On the motion for the adjournment Mr. Raffan called attention to the Home Secretary's reply earlier in the day, and stated that while he and his friends took no exception to the restrictions, they thought that injury would be done to the unregistered dentist. He argued that the registered dentists could not adequately supply the needs of the community—there were not more than

4,000 of them in all—and now they were to be deprived of the right to administer local anæsthetics which they had enjoyed ever since their introduction into this country. It has never been suggested that they have ever taken part, directly or indirectly, in the supply of cocaine for improper purposes. As a matter of fact, it could not be done, as the cocaine is used in such a solution—0.75 to 1 per cent.—that it could not be improperly used except by re-distillation. These men do not belong to the class from whom such criminals are recruited, many of them being magistrates, town councillors, and the like. Literally there had been millions of extractions where, owing to the low charges, patients had been able to take advantage of these local anæsthetics. He denied that there are other effective substitutes. As a matter of fact novocaine, to which the Home Secretary referred, could not be used as it is not available, having been restricted since the commencement of the war. The War Office had commandeered the whole of the available supplies. He hoped that if the War Office still required novocaine he would reconsider the position in regard to cocaine. The question as to whether this class of dentist should be allowed to continue the use of cocaine and other anæsthetics had been inquired into by a Departmental Committee, which came to the conclusion that the balance of opinion was against placing any restrictions on the unregistered. Therefore this privilege should not be taken away from them except by legislation after these men had received a full hearing. Anyhow, he suggested that they should have an opportunity of talking over the matter with the Home Secretary.

Mr. W. C. Anderson supported the appeal, and said the Home Secretary could, by regulating the kind of solution that was issued and the percentage avert the danger of having the drug used for improper purposes, because so far as it is used improperly it is used in the form of powder.

Mr. Samuel replied that he did not think it was true that the regulations deprived the unregistered dentist of the right to administer local anæsthetics; it only applied to cocaine, and he was advised that novocaine is more used than cocaine.

Mr. Raffan: They cannot get it.

Mr. Samuel: Novocaine is regarded as a better and safer means of applying a local anæsthetic, and the effect of the Regulation would be, it was anticipated, to stimulate its production. If it was a fact that novocaine could not be obtained that was new to him, and he would take it into consideration. He was informed upon medical authority that the use of cocaine may be extremely dangerous in the hands of the unskilled. There had been some fatal and a large number of non-fatal cases.

Mr. Raffan: They are among the registered dentists.

Mr. Samuel replied in the negative. He had had a number of cases brought to his notice of death and serious poisoning owing to the unskilled use of cocaine, which is regarded by some as more dangerous in its application than ether. A certain number of men who practise dentistry without being registered are also chemists and druggists, and all these men can obtain cocaine for the purpose of their dental business, because they are also chemists and druggists and therefore free from the restrictions. Others, however, moved from place to place, and could not be traced. He did not think it would be practicable to give the organisation mentioned an official status and recognise the use of cocaine by all the members of that Society. They could not allow any person who chose to call himself an unregistered dentist to secure a supply of cocaine as though he were registered. It would be very difficult to issue licences, as suggested, under special conditions, but to the question as to the supplies of novocaine he promised to direct his attention. He would consider the suggestions put before him which would enable the possibility of bad treatment to be prevented.

Mr. Glyn-Jones said a difficulty would arise if the suggestion the right hon. gentleman made regarding novocaine could be carried out. The War Office had practically commandeered the supply, but there would be no difficulty in producing all that was required. The other loophole in the order is that it enables the Home Secretary to prohibit the use of cocaine by anyone who is not an authorised person. An authorised person may be one who gets a general or specific permission, and he hoped the difficulties in regard to novocaine are not insurmountable. In cases where he is satisfied that a genuine practice is carried on he can give a general or special order, but he would not care to regard all unregistered dentists as authorised persons for the receipt of cocaine, as that would practically make the Order of no effect.

Our Parliamentary correspondent is informed that Mr. Raffan has summoned a meeting of members of Parliament for Thursday to hear the views of representatives of the unregistered dentists.

THE PARLIAMENTARY RECESS.

It is believed (writes our Parliamentary correspondent) that the forthcoming recess will last from the middle of August to the first week in October.

ONE-MAN SHOPKEEPERS.

The President of the Local Government Board is to be asked to receive a deputation on the subject of one-man shopkeepers and military service.

THE METRIC SYSTEM.

The Government is again being urged to appoint a Committee to inquire into the advisability of introducing decimal coinage and the metric system in view of the advantage to the internal and external trade of the country.

THE PARIS ECONOMIC CONFERENCE.

In the course of his statement on August 2 in regard to the resolutions passed at the recent Economic Conference in Paris the Prime Minister intimated that the Board of Trade are taking steps to render this country independent as regards dyes, spelter, and other commodities.

INSURANCE COMMISSION AND VENEREAL DISEASE.

Mr. Charles Roberts announced on Wednesday, August 2, that it is a mistake to suppose that persons suffering from venereal diseases are refused medical attention under the National Insurance Act. Section 14 (4) of the 1911 Act precludes an insured person from being deprived of Medical Benefit on that ground.

YATE CHEMICAL CO.

Mr. A. Rendall, M.P., on Wednesday asked the Minister of Munitions whether the Yate Chemical Co., of Yate, near Bristol, is a controlled firm; if so, whether he is aware of the rates of wages paid there; has any war-bonus been given to the workers; and whether such has been applied for and ignored by the company.—Mr. Montagu replied that the firm in question had recently been controlled. He is inquiring as to the questions raised by his hon. friend, and would communicate the results in due course.

MINERAL WATERS AFTER THE WAR.

Mr. Harcourt was asked on August 1 whether, in view of the fact that manufacturers in this country have since the war employed capital and time in building factories, manufacture of bottles, and production of mineral aperient waters, he could give a definite assurance that these new industries will be adequately protected by the Government from dumping after the war by proprietors of German and Austrian waters who employ little or no labour in this country and pay next to no rates and taxes for the upkeep of our own country and market.—The Acting President of the Board of Trade said he could give no such undertaking as to a particular industry pending consideration of the general policy to be adopted by the Government after the war.

PRODUCTION OF HOME-MADE SPIRITS.

The Chancellor of the Exchequer announced on July 26 that the production and distribution of home-made spirits in the United Kingdom during the year ended March last was:

	Proof gals.
Used for methylation	9,539,547
Used in arts and manufactures	1,165,148
Used for fortifying wines, ships' stores, etc.	544,555
Exported	9,186,002
Detained for home consumption (potable)	28,949,519
Distilled	49,135,199
Allowed for deficiencies, etc.	6,503,080

The quantities in bonded warehouses on March 31 were 140,926,120 gals. Of this total 106,730,173 gals. represented Scotland.

REGISTRATION OF BUSINESS NAMES BILL.

The title of the Registration of Firms Bill, introduced in the Upper House by Lord Southwark, has been altered to that of Registration of Business Names Bill. The next stage will be taken on Tuesday next.

The House of Lords Committee, to which the Bill was referred, have now reported that they "feel bound to express their strong opinion that the Bill would be of special value under the conditions, both of the warfare now prevailing and of the state of things which may be expected to arise immediately afterwards. Events have shown how desirable it would have been to have had at the beginning of the war and still would be to have ready to hand such information as this Bill provides, and without entering upon any controversial matter relating to trade after the war, it may be generally accepted that the identity of those concerned with trade will be in the future an element of the greatest importance. The Committee accordingly venture to submit the Bill to the House as one which ought to be pressed forward without delay."

Pharmaceutical Society
of Great Britain.

Council-meeting.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on August 2. The councillors present were: Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, J. H. Cuff, W. L. Currie, J. W. Deakin, F. J. Gibson, R. L. Gifford, T. Guthrie, A. Hagon, J. F. Harrington, J. Keall, L. M. Pafry, P. F. Rowsell, F. P. Sargeant, H. Skinner, and J. R. Young.

MR. GUTHRIE WELCOMED.

The minutes of the previous meeting having been read and confirmed,

THE PRESIDENT welcomed Mr. Guthrie, who had been co-opted a member of the Council. He said that the representatives whom Scotland sends to the Council have always made a position for themselves and been listened to with respect, and he felt sure from what they knew of Mr. Guthrie that he would be no exception.

MR. GUTHRIE, in reply, referred to the problems which will need facing as a consequence of the reorganisation that will be required after the war.

THE LATE SIR WILLIAM RAMSAY.

THE PRESIDENT then referred to the death of Sir William Ramsay, who had been an honorary member of the Society since 1893, and in 1900 delivered the inaugural sessional address to the students. His pre-eminence in science had received recognition from the whole world. A letter of condolence is to be sent to Lady Ramsay.

MR. CURRIE said that he had enjoyed the personal friendship of Sir William Ramsay for thirty-six years. When taking a chemistry course at Glasgow University under Professor Ramsay, the latter, recognising that he required different instruction from a medical student, put him on special work of which he had ever since felt the benefit. He (Mr. Currie) had a narrow escape of fatal poisoning from arseniuretted hydrogen, and although he was laid up from the effects for over three months, he had always felt that it was the first-aid administered by Professor Ramsay that saved his life. He had reason to know that Sir William Ramsay valued very highly the honorary membership of the Pharmaceutical Society.

ELECTIONS AND RESTORATIONS.

The election then took place of forty-five members and ten student-associates, and fifty-six persons were restored to their former positions in the Society. Four names were restored to the Register of Chemists and Druggists. The Secretary also reported that he had registered twenty-two apprentices.

CORRESPONDENCE.

The National Council for Combating Venereal Diseases asked the Society to appoint a representative to serve on the Council. It was agreed that this was desirable, Mr. HAGON and Mr. SKINNER urging the importance of the matter. It was arranged that Mr. Rowsell should represent the Society.

The Privy Council wrote to thank the Council for the prompt action taken in the case, under the Pharmacy Act, against Bowyer & Bartlett (*C. & D.*, July 15, p. 40).

The North Staffordshire Pharmacists' Association wrote approving of the Society's work during the past four years.

FINANCE COMMITTEE.

THE SECRETARY read the report of the Finance Committee, which sat on the previous day:

The receipts of the General Fund during the month were 1,172*l.* 7*s.* 2*d.*, made up as follows: Penalties and costs, 44*l.* 19*s.*; "Journal," 8*l.* 5*s.* 10*d.*; "B.P. Codex," 40*l.* 10*s.* 4*d.*; subscriptions, 127*l.* 1*s.*; registration-fees, 50*l.* 8*s.*; restoration-fee, 1*l.* 1*s.*; loan from Benevolent Fund, 800*l.*; rent and insurance, 15 Bloomsbury Square, 45*l.* 3*s.*; ground-rents, 54*l.* 7*s.* 6*d.*; election of Pharmaceutical Committees, 11*s.* 6*d.* After deducting the payments ordered at the last meeting, there remained a balance of 498*l.* 9*s.* 11*d.* It was recommended that payments be made amounting to 2,438*l.* 1*s.* 11*d.* The balances on the Benevolent Fund were: Current account, 322*l.* 9*s.* 11*d.*; donation account, 107*l.* 5*s.* 11*d.*; Orphan Fund, 61*l.* 2*s.* 5*d.*

THE TREASURER moved the adoption of the report, remarking, in reply to Mr. DEAKIN, that there was nothing abnormal.

The report was adopted.

BENEVOLENT FUND COMMITTEE.

The report of this Committee was read, after which its adoption was moved by Mr. BILSON. Grants amounting to 131*l.* were recommended. It was also mentioned that a donation of 14*s.* had been received from the Norwich Pharmaceutical Association.

LIBRARY COMMITTEE.

The report of the Library, Museum, School, and House Committee recommended that Mr. C. W. Thorpe be awarded the Hewlett Exhibition, and that one of the Bell scholars who desired to proceed to the Major be permitted to take the Major course in the Society's school. It was suggested that as the inaugural sessional meeting in October will be the seventy-fifth, the President be asked to give the address. A bill of 4*l.* 8*s.* 4*d.* for house repairs was sanctioned. A request from a firm of solicitors for sixteen guineas for preparing a new lease of the Paddington Green property was not acceded to. The remit regarding microbiological training was dealt with in the absence of any Committee in existence authorised to deal with it. Inquiries are being made of the professors of the School of Pharmacy, and a report will be made at the next meeting. The Advisory Council on Industrial Research wrote regarding the provision in this country of facilities for making solanaceous alkaloids, especially atropine, and also codeine and morphine, and whether there is need for research. The reply (not made public) was approved.

Mr. YOUNG, who moved the adoption of the report, explained that the payment of the solicitor's fees for preparing the lease of the Paddington Green premises depended on whether it was a building lease or ordinary lease. It had been decided that as it was an ordinary lease the solicitors were not entitled to payment on the higher scale.

Mr. PARRY seconded the adoption of the report, and said he was glad the President would deliver the sessional address unfettered.

The report was adopted.

GENERAL PURPOSES COMMITTEE.

The report of the Parliamentary and General Purposes Committee recommended that the Manchester Scholarship for 1916 be awarded to Miss Annie Williamson, Preston, an unsuccessful competitor for the Bell Scholarship. The Sub-Committee appointed to consider the question of a Parliamentary Secretary made an interim report. It was decided to consider whether Major men who through military duties were unable to sit for the Council prizes should be allowed to compete at a later date. The cocaine and opium regulations were explained to the Committee.

The PRESIDENT, in moving the adoption of the report, said the action taken in the matter of the Manchester Scholarship is not to be regarded as a precedent. In regard to the Parliamentary Secretary it had been recommended by the Sub-Committee that Mr. Glyn-Jones should continue to hold the appointment whether in or out of the House. The matter had been considered because Mr. Glyn-Jones had announced that he would not, owing to the state of his health, contest Stepney again. His connection with the Society has been so close that it was felt that his advice on Parliamentary matters would still be exceedingly valuable to the Society. It was greatly to be regretted that ill-health was the cause of the decision which Mr. Glyn-Jones had come to, but it was hoped that some relaxation of work will lead to an amelioration of the existing conditions. In regard to the cocaine and opium regulations the Council would be glad to find that the Home Office had consulted the Society. The problem was a national one, the matter of safeguarding trade interests being secondary. He hoped chemists would bear this in mind if inclined to criticise. The Society has been able to arrange certain matters so that they do not press unduly harshly on the trade.

LOCAL ASSOCIATIONS EXECUTIVE.

The report of the Local Associations Executive Committee was embodied in the report of the General Purposes Committee. This stated that Mr. J. W. Cussons has resigned from the Committee on account of ill-health. In regard to rural areas it was decided to prepare a case supporting alterations of the regulations as affecting rural areas, and send it to the Commissioners. The question of establishment-charge was considered, and the Sub-Committee was instructed to negotiate with the Commissioners, in the light of such data as the Secretary is able to procure, for an increase in the total remuneration received by pharmacists for Insurance dispensing.

The report was adopted.

HERBARIUM COMPETITION.

Mr. E. M. Holmes reported on the Herbarium Competition. Three herbariums had been received, and it

was recommended that the silver medal be awarded to Miss Erna M. E. Bolin, the bronze medal to Miss Constance E. Pearson, and a certificate of honour to Mr. R. S. Ridgley.

The Council approved of the awards and thanked Mr. Holmes for his report.

EXAMINATIONS REPORT.

The Boards of Examiners reported on the July examinations as follows: In London six Major candidates were examined and two passed. Of 109 Minor candidates 55 passed. In Edinburgh the two Major candidates both passed, while of 38 Minor candidates 15 passed. The Board of Examiners for England and Wales recommended that the new certificates of the Oxford and Cambridge Examinations Board be accepted for registration as apprentices or students, provided that the subjects included in the Society's regulations have been passed and that the Oxford and Cambridge Board agree, on demand, to notify the Registrar as to the subjects in which any particular candidate has passed either in the Higher or Lower examination. Diplomas as pharmaceutical chemists were granted to the four successful Major candidates.

This concluded the public business.

Association Affairs.

Devon.—A meeting of the Devon Pharmaceutical Association was held at Exeter on July 26, Mr. P. F. Rowsell (President) in the chair. The President referred to the death of Mr. J. A. Lamble, Devonport, a supporter of the Association. Mr. H. Wippell Gadd (Hon. Secretary) presented the report and balance-sheet, which were adopted. A discussion took place regarding the reorganisation of the Association. The President explained that the original scheme of the Pharmaceutical Society was to have an Association for each Parliamentary division; but when the National Insurance Act came in it was suggested that the Association should be co-terminous with the Pharmaceutical Committees set up under that Act. For Exeter and Plymouth there were such Associations. For Devon they had half an Association. His suggestion was that instead of having two entirely separate bodies they should utilise as far as possible the members of the Pharmaceutical Committee as a nucleus of an Association for the county, and add to them four who might be elected annually by that Association or by the district Associations. In order to make the new body representative of all chemists the four might be non-panel chemists. The body of sixteen could meet on the dates of the quarterly meetings of the Pharmaceutical Committee; each local Association could hold its own meetings; and then twice a year all members might be invited to a general meeting for the county. This suggestion was agreed to. The following officers were elected: *President*, Mr. P. F. Rowsell; *Vice-President*, Mr. J. Hinton Lake; *Hon. Secretary and Treasurer*, Mr. H. Wippell Gadd; four members of Committee to be added to the twelve members of the Pharmaceutical Committee, Messrs. Dunsford (Torquay district), Barge (Plymouth), Battershill (North Devon), and Eric Lemmon (Exeter). On the proposal of the President it was unanimously agreed to alter the rules of the Association so as to include all qualified chemists carrying on business in the county, and to allow firms and bodies corporate to nominate for membership qualified chemists in their employ. Mr. D. A. Evans (Bovey Tracey) introduced a discussion on "Is a Trade Union Necessary?" which criticised the Pharmaceutical Society, and suggested that some democratic body is needed to look after the interests of chemists. Mr. T. F. March (Torquay), Mr. H. Wippell Gadd, Mr. Battershill (Barnstaple), and Mr. E. Lemmon (Exeter) joined in the discussion. The President said he saw in the National Insurance Act an agency through which chemists could be helped. They had had to build up a new business, and sooner or later wives and children of insured men would be brought within the Act. The dispensing would come to chemists. They would have to fight for proper remuneration, but if they supported their own Society and educated public opinion to their own worth it would come.

Edinburgh.—Mr. Adam Duncan presided at a meeting of the Edinburgh District Chemists' Trade Association, held at 36 York Place on July 25. It was agreed to record in the minutes an expression of the high appreciation and affection with which Mr. C. F. Henry was regarded by the members and the sincere sympathy felt for his bereaved widow and family. The Chairman explained that the meeting had been called specially to consider prescription-prices and the retail prices of drugs with a view to fixing a minimum scale for prescriptions and a similar scale for

drugs. Mr. W. S. Glass opened the discussion, in which Messrs. G. V. Wright, Hall, Tainsh, Heddle, Dundas, Dick, Innes, Duncan, Reid, Kelly, Maepherson, and Morison took part, and on the motion of Mr. Glass, seconded by Mr. Tainsh, it was agreed to instruct the Committee of the Association, with the addition of Messrs. Dryerre, Hall, Heddle, and Morison, to prepare a scale of prices for prescriptions to be issued to all chemists in the area of the Association, reserving meantime the question of a scale of retail prices of drugs.

Manchester.—A special meeting of the Manchester Pharmaceutical Association was held on July 26, Mr. W. Kirkby, M.Sc. (President), in the chair, to discuss the question of federating Pharmaceutical Associations in Lancashire. The President reported that Mr. T. Miller (Hon. Secretary) has just undergone a severe operation, and that during his absence Mr. A. Hershberg has undertaken the duties. Mr. F. W. Bates, in opening the discussion, referred to the meeting of the Yorkshire Federation which was held in London on the morning previous to the business of the Local Associations Conference, and at which he was present. A meeting was held in Manchester on June 21 to consider the formation of a Lancashire Federation, and the scheme was agreed to by a large majority. Notices had been sent to all the Lancashire Associations asking for their support, but as very few meetings are held at this time of the year only one reply had been received. He mentioned that the representation of the Associations in the Federation would be on the basis of one for twenty-five members, the levy would be at the rate of 6d. per member. He proposed a resolution: "That the Manchester Pharmaceutical Association agrees to the formation of the Lancashire Pharmaceutical Association." This was seconded by Mr. Flint. Mr. J. Rymer Young (Warrington) said he was firmly convinced of the need of such an organisation. Unity would strengthen their position in Lancashire, and he would like to see the scheme of Federation developed to the utmost perfection. Mr. Simmons said the Salford Association was quite in accord with the proposals. After further discussion the President emphasised the fact that the Federation would not be detrimental to the welfare of the Pharmaceutical Society, but would be a great help in the matter of organisation. He then put the motion to the meeting, and it was carried unanimously. Mr. Hershberg explained the steps he had taken in respect of obtaining relief from military service for pharmacists. Votes of thanks concluded the meeting.

Southampton.—At the last meeting of the Southampton Pharmacists' Association Mr. H. Ferryman gave a report of the Conference of Local Associations. Mr. Clark introduced the question of earlier closing, and it was arranged that the subject should be raised again at the next meeting.

Warrington.—A meeting of the Warrington Chemists' Association was held on July 25, Mr. J. R. Young (President) in the chair. Reports were submitted by the delegates to the Conference at Manchester, at which the question of forming a Federation of Local Associations was discussed, and also the one held at Liverpool to consider the modified system of checking Insurance prescriptions, which, it was claimed, was more economical and equally as efficient as the one at present in use. The recommendation of the Liverpool meeting was agreed to. It was agreed to accept the terms offered by the Commissioners to complete the payments for 1915. The Secretary reported that the Insurance Committee had passed a resolution against the use of stock mixtures, and protesting against a further reduction of chemists' dispensing charges.

West Ham.—In connection with the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists a ramble will be conducted by Mr. Soper on August 17. The train leaves Stratford 1.52 and Ilford 2.1 for Harold's Wood. Thence the party will proceed by field paths to the "Bear" at Noak Hill, through Pyrgo Park to Havering, where tea will be served at the "Royal Oak" (1s. per head). After tea the walk will be continued through Bedford's across the golf-links, to Squirrels Heath. Return train, 7.28.

IN A SCOTTISH TOWN several publicans have recently suffered from an inflamed condition of the eyes. A local doctor told a patient that he was the fifth licensed victualler who had consulted him regarding his eyes. "Whae were the others, doctor?" inquired the member of "the trade." The information was duly forthcoming. "A'm no' astonished tae hear aboot Maister Thingummy, ony wey," said the patient. "He's the sort o' fellie that's aye winkin' at breaches o' the various Acts that we've got tae pit up wi'!"

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—At the meeting of the Insurance Committee last week, a letter was read from the Pharmaceutical Committee stating that Mr. R. L. Gifford, Mr. W. H. Grimshaw, and Mr. C. A. Critchley have been appointed representatives on the Pharmaceutical Services Sub-Committee; Mr. R. L. Gifford and Mr. W. H. Grimshaw on the Joint Services Sub-Committee; and Mr. R. L. Gifford and Mr. C. A. Critchley representatives on the Joint Prescriptions Checking Sub-Committee. It was reported that the name of Mr. Robert McKie, chemist and druggist, Cherry Tice, has been added to the chemists' panel. The Panel Committee reported that the following stock mixtures have been selected from the Central List: Mistura acida gentiane, mist. alba, mist. ammoniae et senegae, mist. bismuthi, mist. eascaræ comp., mist. diuretica, mist. ferri aperients, mist. gentianae alkalina, mist. potassii bromidi, and mist. sodæ c. rheo. The Joint Services Sub-Committee reported regarding the investigation of complaints against chemists and doctors. A prescription for ung. hydrarg. nit. fort. was sent out of a slate-blue colour, and the secretary of the company where the dispensing took place acknowledged that an error had been made. An apology was accepted in this and an assurance given that greater care would be taken in future. A complaint against a doctor was that he ordered pot. brom. 3ss., ordering the patient to put it in a bottle of water and take it according to directions on the bottle. The doctor explained that he did this to avoid surcharging, but has abandoned this method of prescribing. It was therefore decided by the Sub-Committee to take no further action. A second complaint was against a doctor who prescribed ten drops of *Scrophularia nodosa* for an insured patient. The drug was not in stock at the shop where the prescription was taken, and the chemist spent three hours and one shilling in telephone calls endeavouring to obtain the drug. The chemist subsequently asked the doctor what he should do in such a case, and the doctor replied, "Tell her what you like; it does not matter to me. I have ordered it, and can't help it if you cannot supply. They must wait until you get it, or they must go somewhere else—it does not matter." It was decided to inform the doctor that if his insured patients had any difficulty in obtaining the drugs prescribed for them he should communicate with the Clerk to the Committee on the matter.

Bradford.—A meeting of panel chemists, convened by the Bradford Pharmacists' Association, was held on July 27 to consider a situation arising out of allegations by doctors, before the Insurance Committee, that the drug-service, in view of the weekly half-holiday closing order under the Shops Act, which is about to be confirmed by the Home Office, is inadequate in the city. The Pharmaceutical Committee, after a series of conferences on this matter with the Panel Committee and the Insurance Committee, has drawn up a proposed rota of chemists to provide a definite service on Wednesday afternoons and evenings. The Insurance Committee also requested that the time of 8 p.m. for evening closing, according to the order, be extended to 8.30, so far as concerns Insurance dispensing. Mr. Burdett reported on the work of the Pharmaceutical Committee for the half-year ended June 30, and, his report being adopted, a long discussion took place regarding the proposed rota of chemists. Mr. Burdett explained that as doctors refuse to dispense emergency prescriptions, the Pharmaceutical Committee proposed to form a rota of chemists and offer a twenty-four hours' service, conditional on the grant of an emergency-fee on prescriptions dispensed after 8 p.m. At the request of the Insurance Committee, the closing-time had been fixed at 8.30 p.m., the doctors on the panel to fix the limit of consulting-hours at 8 p.m. Some chemists present objected to the scheme, the need for which had not been shown to exist. Several of those at the meeting already provide a Wednesday evening service. Ultimately it was decided that in the absence of any evidence that there is an inadequate service the present system be maintained without alteration, it being agreed that the chemists would probably form a rota for Wednesday service if the doctors could prove that the service is inadequate. Some discussion ensued on the matter of ceasing dispensing at the time of closing the shops under the new order—8 p.m.—or continuing until 8.30, and eventually it was decided that the matter be left to individual discretion, according to

local circumstances. A letter was read from Mr. Woolcock regarding the inclusion in the local Directory of unqualified people under the heading "Chemists." The Association was recommended to point out to the publishers of the Directory that certain persons placed under the heading "Chemists" are not entitled to be there.

Canterbury.—At the meeting of the Insurance Committee on July 21, a proposal by the Finance Committee for a "late fee" of 6d. each for prescriptions marked "Urgent" and dispensed outside business-hours was rejected.

Cheshire.—At the last meeting of the Insurance Committee it was stated that the number of persons, firms, etc., who have contracted to supply drugs, appliances, etc., is 184, and the number of chemists' shops 230. The total number of insured persons on July 1 was 207,478, for 31,696 of whom doctors had undertaken to supply drugs, apparatus, etc. These figures show increases on the year of 7,655 and 541 respectively.

Gloucester.—At a meeting of the Insurance Committee on July 31, consideration was given to matters concerning some chemists as affected by the Military Service Act. Under the Act three more Gloucester chemists had been called up. It was resolved that a deputation should wait upon the Military Representative and urge that exemption be given to these three until September 30, and that the exemption of another chemist's assistant be extended to the same date with a view to the whole of the cases being reconsidered together. If an arrangement cannot be come to, the matter is to be reported to the Commissioners.

Kent.—The Insurance Committee met at Maidstone on July 25. Chemists' accounts for 1914, amounting to 19,450*l.* 7*s.* 10*d.*, were reported to have been paid in full. A resolution regarding the difficulty of obtaining certain drugs and the consequent high prices was sent to the Society of Chemical Industry. Pending the decision of the Panel Committee no action was taken in the matter of stock mixtures. The special Sub-Committee appointed to deal with negotiations with doctors and chemists for the medical year wrote agreeing to the payment of a flat rate of 6d. per prescription in respect of those prescriptions marked "Urgent" by the doctor and presented for dispensing and dispensed by the chemist between the hours of 8 p.m. and 8 a.m. The Committee and the Insurance Commissioners had already given their approval to this late fee. The Medical Benefit Sub-Committee reported that they had given consideration to the proposed Pharmacopœia. The Panel Committee wished the Committee to agree to the number or short title to represent not only the ingredients of the prescription but also the directions as to dosage, etc. The Pharmaceutical Committee objected strongly to the responsibility which they allege would be placed on the chemist if this were allowed. After consideration of the arguments of both Committees the Sub-Committee were of opinion that the number or short title should represent the ingredients of the prescription only, and that the doctor should be required to add the necessary directions. After considerable discussion, in which Dr. Coke put forward the arguments of the Panel Committee, and Mr. J. E. French those of the Pharmaceutical Committee, it was resolved to refer the matter back to the Sub-Committee with the view to a settlement being arrived at between the doctors and the chemists.

Kesteven.—At the meeting of the Insurance Committee on July 15, reference was made in the report of the Medical Benefit Sub-Committee to a communication from the Commissioners regarding an application that had been received from Boots, Ltd., for exemption from military service of assistants employed in the district covered by the Insurance Committee's area. These are being dealt with centrally, and the Chairman said it did not seem necessary for Boots, Ltd., to have two shops in Grantham. The use of the Kesteven Pharmacopœia previously adopted is to be continued.

London.—In continuation of our report of the meeting of the Insurance Committee on July 27 (*C. & D.*, July 29, p. 812), the Joint Services Sub-Committee submitted a report, as a matter of urgency, of an inquiry which they had held into allegations regarding the manner in which a medical practitioner and a firm of chemists on the panel were discharging their duties under their agreements with the Committee. The allegations were to the effect that it was the custom of the practitioner to supply medicines from his surgery to the insured persons on his list, a representative of the chemists attending nightly at the surgery for that purpose. It was also alleged that, in order to assist in this object, insured persons were required to wait at the surgery an inordinate length of time, with the result that when they were attended by the doctor it would be impossible for them to obtain their medicines under the

arrangements made by the Committee, the chemists' establishments in the neighbourhood then being closed. "From the evidence placed before us," the Sub-Committee proceeded to say, "we have no doubt that very grave irregularities have existed for some time. An insured person has the right under the Regulations to have his medicine dispensed by any chemist on the panel, and the practitioner's action in advising insured persons to take their prescriptions to the respondent chemists' place of business is a direct contravention of the Regulations. It is also clear that drugs have been supplied to insured persons from the practitioner's surgery. So far as we can gather, these drugs were not such as may be supplied by him under his agreement. The respondent chemists, too, are by no means free from blame. The arrangement made between the practitioner and their employé was, according to the evidence given by the practitioner, made with their knowledge and consent, and we consider that their action in allowing prescriptions for drugs dispensed at the practitioner's surgery to be passed through their account, and to be charged to the Committee, was reprehensible. We are of opinion that the practitioner and the respondent chemists are deserving of severe censure." Dr. Shaw asked if it was to be understood from the report of the Sub-Committee that if a practitioner was asked by an insured person the best chemist to take the prescription to, he was not to give advice. Mr. Woolcock said that under the Regulations a doctor should not recommend any particular chemist to an insured person. Dr. Shaw: Are we to understand, then, that in future, if asked by panel patients the chemist to take the prescription to, we must not give advice? Mr. Wood (Vice-Chairman) said that it would be more desirable for the doctor to leave the matter alone and let the insured persons go to any chemist on the panel they choose. To his mind, there was no necessity for any practitioner to take upon himself the responsibility of any such advice. Dr. Donnellay understood that the invariable reply of practitioners, when asked by insured persons the chemist they were to take the prescription to, was to "any chemist on the panel." The recommendations of the Committee were adopted.

Oxford.—The report of the Medical and Sanatorium Sub-Committee, which was adopted at the meeting of the Insurance Committee on July 21, contained the following resolution: "That this Committee does not object, at the present time, to any chemist of military age undertaking military duties if called upon." (*See C. & D.*, June 24, p. 46.)

Salford.—At the meeting of the Insurance Committee on July 20, the Pharmaceutical Service Sub-Committee reported that a complaint had been investigated in which a chemist's assistant had refused to dispense a prescription for an insured person. It was found that an altercation had taken place between the parties, in which bad temper was displayed on both sides. It was recommended that no action be taken. The report was adopted.

Sheffield.—A meeting of the Insurance Committee was held on August 2. The Clerk reported that he had received a letter from the Insurance Commissioners to the effect that the British Medical Association and the "British" Pharmaceutical Society had notified the Commissioners of their acceptance of the proposals which had been placed before them for the settlement of accounts for the year 1915. The Commissioners are accordingly proceeding with the necessary calculations, and hoped to communicate the results at an early date. Among the payments was an *ex gratia* grant of 12*l.* 16*s.* 3*d.* to Mr. J. H. Bradwall, chemist, for loss incurred through not sending in his account in time; the payment to chemists for May and June, 82*l.* 3*s.* 4*d.*; payment to chemists for 1914 accounts, 22*l.* 6*s.* 1*d.*; and payment to doctors for emergency dressings, 5*l.* 13*s.* 7*d.*

Shropshire.—At the meeting of the Insurance Committee on July 22, it was reported that the Panel Committee is investigating charges of extravagant prescribing against panel doctors of Bridgnorth and Ludlow.

Smethwick.—The Medical Benefit Sub-Committee reported to the Insurance Committee on August 1 what steps had been taken to obtain exemption from military service of sufficient chemists to maintain an efficient pharmaceutical service. The Sub-Committee, replying to a communication from the Commissioners, stated that the qualified dispensers employed at an establishment of Boots, Ltd., were not regarded as essential, but if the other view were taken it would suffice to exempt the manager. The Panel Committee reported that they do not propose to put the stock-mixture clause in operation unless the principle is made uniform throughout the country. The Commissioners have notified the Committee that arrangements for settlement at an early date of 1915 accounts are being made.

Southampton.—The Pharmaceutical Committee at its last meeting passed the accounts for 1915 and made a request to the Insurance Committee for early settlement. The Chairman (Mr. W. Bates) and the Secretary (Mr. F. B. Wride) were re-appointed. At the request of the Insurance Commissioners the case was considered of the employes of Boots, Ltd., in the matter of exemption from military service by the Joint Committee of the Pharmaceutical Committee and the Insurance Committee. A decision was arrived at on the basis of one qualified assistant for each branch and a spare man for relief work, etc.

Southport.—A meeting of the Insurance Committee was held on July 25. The Clerk reported that he had received a statistical report on the prescriptions dispensed last January. Mr. R. H. West wrote desiring to resign from the chemists' panel, and his resignation was accepted as from July 31. When a payment was passed to medical men for 1914 the Chairman said the doctors had been very patient, and Mr. Battersby reminded him that the chemists had not yet been paid for 1915.

Tynemouth.—The Insurance Committee at their last meeting received a report from the Sub-Committee appointed to deal with the recruiting of chemists and their assistants, and the maintenance of an efficient pharmaceutical service. The Military Representative was informed regarding the persons who should be exempted.

Wolverhampton.—The annual meeting of the Pharmaceutical Committee was held on July 25, when Mr. F. J. Gibson, J.P., was re-elected Chairman, Councillor F. A. Willcock Vice-Chairman, and Councillor H. Coleman Secretary. Mr. Gibson was also on July 26 re-elected Chairman of the Insurance Committee.

Worcester.—A meeting of the Pharmaceutical Committee was held on July 12, Mr. A. E. Coverdale in the chair. The accounts for the year were submitted, the total amount chargeable to the Drug Fund for 1915 being 19*l.* 11*s.* 10*d.*, of which 5*l.* 1*s.* 9*d.* is the cost of checking the prescriptions of 1915. The Pharmaceutical Society sent an account for 10*l.*, the estimated cost of checking prescriptions for 1916. It was agreed to pay 5*l.* on account, and to make a levy of 2½ per cent. from chemists' accounts for the half-year ended June 30.

Worcestershire.—A meeting of the Pharmaceutical Committee was held on July 13, Mr. W. Corbett, Bromsgrove, in the chair. It was reported that the Commissioners will not sanction an "urgent" fee of 6*d.* per prescription for dispensing done between 8.30 p.m. and 8 a.m. on Sundays, Bank Holidays, and Christmas Day owing to the fact that medical men receive 1*s.* per 100 insured persons for the supply of urgent medicines and dressings. In regard to stock mixtures, the Chairman said that the Commissioners have taken the matter out of the hands of the Insurance Committee. The Pharmaceutical Society's account was received, and it was agreed to pay 25*l.* on account. A levy of 1½ per cent. is to be made on chemists' accounts for the half-year ended June 30 for the purpose of paying the Society.

SCOTLAND.

Edinburgh.—At a meeting of the Medical Benefit Sub-Committee the report of the Checking Bureau for March was considered. It was decided that a syphon of potash-water dispensed by a chemist should be disallowed. An order for 1½ oz. picric acid, which is not on the approved emergency list, was disallowed. It was decided to draw special attention to the following scripts: One where the cost of the ingredients of the mixture was 1*s.* 4*d.*, 8½*d.* of which was for the flavouring agent, syrup, of orange, and ½*d.* for peppermint-water. Five prescriptions, bromide mixtures for one person, at a total cost of 18*s.* 8*d.*; each mixture should have lasted sixteen days; they were ordered on March 6, 14, 20, and 27. Four prescriptions for bromide mixtures for one person, at a total cost of 11*s.*; each mixture should last twelve days; they were ordered on March 4, 14, 21, and 25. Two prescriptions for 8 oz. and 4 oz. "Hypericum" were disallowed. A letter from the Commissioners regarding a prescription where "1 oz." syr. hypophos. co. had been altered to "4 oz." and not initialled by the doctor was examined, and it was decided to ask the chemist and the doctor to attend next meeting and bring their duplicate scripts with them. The amount required for payments to chemists for June, being 90 per cent. of sums due, and balance of accounts for April, amounted to 407*l.* 17*s.* 4*d.*

WALES.

Breconshire.—At a meeting of the Insurance Committee, a report was presented on the checking of doctors' scripts. After consideration of details, the Committee agreed that a period of one month should be given to the medical men concerned within which to lay before the Committee reasons why the surcharges suggested should not be enforced.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., August 3, 5.30 p.m.

WITH the markets generally still evincing a falling tendency, business does not show any improvement, and buyers continue to act cautiously. Japanese refined camphor is dearer and in fair demand. Menthol on c.i.f. terms, sulphonal, guaicol carbonate, and bergamot oil have also advanced. On the other hand, tartaric acid is distinctly lower, and other products which have been reduced include acetanilide, citric acid, formaldehyde, hexamine, Montreal potashes, and lime oil; an easier feeling is also indicated in balsam Peru, cocaine, copper sulphate, ergot, phenazone, potash bicarbonate, salol, and vanillin. Amidopyrin is dearer.

Higher	Firmer	Easier	Lower
Bergamot oil	Amidopyrin	Balsam Peru	Acetanilide
Camphor (Jap. ref. slabs)	Ammonia sulphate	Chullies	Balsam Canada
Coriander-seed	Pimento	Cocaine	Citric acid
Fenugreek-seed	Shellac	Copper sulphate	Formaldehyde
Linseed oil		Ergot	Hexamine
Menthol (c.i.f.)		Nutmegs	Lime oil
Mint oil (Jap.) (c.i.f.)		Phenazone	Potashes (Montreal)
Pepper, black		Potash	Tartaric acid
Shellac (futures)		bicarb.	
Sulphonal		Potash iodide (Jap.)	
		Salol	
		Vanillin	

Cablegram.

NEW YORK, August 2.—Business in drugs is fair, with prices generally in a downward direction including the following: Curaçao aloes in cases is now 9c., guarana \$1.00 per lb., Mexican sarsaparilla 10½c., balsam Peru \$3.50, Canada fir balsam \$5.00 per Amer. gallon; copaiba balsam 64c. per lb.; belladonna-leaves \$1.70, taraxacum 27c., and clecampane-root 9c. per lb.

ACETANILIDE is lower at from 5*s.* to 5*s.* 6*d.* per lb. net.

ACETYL-SALICYLIC ACID.—Orders appear to be more competed for among makers, and prices are being cut; the quality of the makes varies considerably, and care should be taken that such is B.P.; prices are from 37*s.* to 38*s.* per lb.

ALOES.—The exports from the Union of South African during May amounted to 103,493 lb. (1,003*l.*), against 21,540 lb. (210*l.*) during May 1915. During the five months ended May 31 the exports were 509,732 lb. (4,666*l.*), against 260,841 lb. (1,944*l.*) for the corresponding period of 1914.

AMIDOPYRIN.—With raw material getting scarcer, the rather firmer prices of from 65*s.* to 70*s.* are asked on the spot.

AMMONIA SULPHATE is firmer at 16*l.* 10*s.* per ton net, naked at works in London, for 25-per-cent. ammonia, the home trade price being fixed at 15*l.* Hull prompt (24-per-cent.) is 17*l.* 15*s.* or 7*s.* 6*d.* higher; Liverpool is 17*l.* 17*s.* 6*d.*, and Leith-Glasgow 18*l.* for September-October shipment, less 3½ per cent. in bags f.o.b.

ANISE OIL (STAR) is slow of sale at 3*s.* 5½*d.* per lb. on the spot, and at 3*s.* 3*d.* per lb. c.i.f. for "Red Ship" brand.

ARROWROOT has been in more demand of late, usual manufacturing St. Vincent quality selling on a basis of from 2½*d.* to 3*d.*

ARSENIC is firm at 36*l.* per ton for best English powder.

BALSAM PERU is easier at 15*s.* per lb. c.i.f., and at 15*s.* 3*d.* on the spot.

BALSAM TOLU.—Good hard is held for 1*s.* 7*d.* on the spot.

BENZOATES.—Benzoic acid is offered at from 22*s.* to 23*s.*, and sodium benzoate at 21*s.* There is some doubt as to the origin of the make.

BERGAMOT OIL is dearer at from 17s. to 17s. 6d. per lb. c.i.f. terms, and spot sales include finest at 17s. 9d.

BETA-EUCAINE HYDROCHLOR. is now being made in this country, and is offered for prompt delivery at 42s. per oz.

BROMIDES.—At the recently reduced prices there has been more demand of late, but severe price-cutting is still taking place. Importers quote potassium at 7s., ammonium at 6s., and soda at 5s. per lb. net, but in certain quarters several pence less will buy. There is doubt as to the quality in the hands of some dealers here, especially stuff supplied by dealers in America, and not imported direct from the makers. Possibly such parcels are not easily saleable, and may go at a sacrifice.

The "New York Commercial" in its issue of July 19, said: "Cessation of foreign buying at a time when domestic production in West Virginia is rapidly increasing, prompted manufacturers of bromide preparations to lower their views precipitously yesterday. A reduction of 144 per cent. took place in bromide of potash to \$1.35 @ \$1.45; 210 per cent. in strontium bromide to 80 cents; 118 per cent. in bromide of soda to 80 cents, and 150 per cent. in bromide of ammonia to \$1.00 per lb. No alteration was announced in the schedule U.S.P. bromine, but it was intimated that this product was also obtainable at materially lower prices. A better business is expected to develop at the decline."

BUCHU.—The exports from the Union of South Africa during May 1916 amounted to 13,600 lb. (2,175/), against 25,097 lb. (4,426/) in May 1915, and for the five months ended May 31 the exports were 95,724 lb. (16,008/), against 114,903 lb. (18,270/) in 1915.

CAFFEINE.—Supplies are coming forward from Japan, the asking price being 60s. per lb.

CAMPHOR (REFINED).—Japanese 2½ lb. slabs are dearer, with sales up to 2s. per lb. on the spot, but at the close 2s. 2d. is asked; ¼-oz. tablets have been sold at 2s. 2d.; January-February shipment is 2s. 4d. c.i.f.

CHLORAL HYDRATE is selling at from 9s. 6d. to 10s. per lb. in bond for crystals. Few dealers appear to stock this product now, and supplies are becoming scarce.

CITRIC ACID.—The spot price is 3s. 3d. to 3s. 4d., and for July-August shipment 3s. 2½d. is quoted by a French maker.

CLOVES are steady, with spot sales of Zanzibar at from 6½d. to 6¾d.; to arrive, sellers of June-July quote 6½d. c.i.f., and for August-October delivery the value is 6½d.

COCAINE.—Business has been practically at a standstill this week pending the issue of permits by the Secretary of State for the Home Office, and it may be taken for granted that the strictest inquiries will be made before such licences are issued. The new departure is expected to ease prices; the nominal value of hydrochloride is about 20s. per oz. net. It is yet a little early to see the result of this Proclamation on the market prices, but there is little possibility of any decided break, as, of course, the imports will be stopped, and buyers will be thrown back upon present stocks. Prices abroad may decline, as since the war England was the largest buyer.

COD-LIVER OIL.—Our Bergen correspondent writes on July 24 that a few lots of oil have been sold at about 550s. per barrel for prime non-congealing oil. An offer from Bergen, dated July 24, quotes finest medicinal 1916 oil at 560s. to 580s. per barrel f.r. Hull, war insurance extra.

The above Norwegian prices are considered to be a farce, and buyers are quite apathetic, rendering business out of the question. The market has been well supplied with Newfoundland oil, the refiners of which have taken advantage of the unusual opportunity offered.

COPIER SULPHATE is easier at from 48l. 10s. to 49l. per ton for the usual Liverpool brands.

CORIANDER-SEED is dearer, with sales of fair Morocco on the spot at 22s. per cwt., and of new crop for shipment at 21s. 6d. per cwt. c.i.f. terms.

ERGOT.—With good stocks, especially Russian, prices are easier at from 1s. 10½d. to 1s. 11d. on the spot. Spanish is about 2s. 6d. on the spot.

FENUGREEK-SEED is considerably dearer. Small sales of fair Morocco have been made at 17s. per cwt., and 17s. 6d. is now asked.

FORMALDEHYDE is lower, 40-per-cent. volume offering at 80l. per ton in casks.

GENTIAN.—Very high prices continue to be asked for shipment, and on the spot sales have been made at close upon 100s. by needy buyers.

GOLDEN SEAL is still offering at 21s. to 22s. net on spot, but American prices are firmer.

GUAIACOL CARBONATE.—Sales this week have been made to arrive at about 100s. per lb.; retail lots on the spot have been sold at above this figure.

HEXAMINE is lower at 3s. 6d. per lb. in quantity.

HONEY.—A fair quantity of Jamaica ex auction has been disposed of at the lower prices ruling.

HYDROQUINONE remains at about the previous figure of 27s. 6d. per lb.

INSECT FLOWERS.—Japanese to arrive are quoted at 127s. 6d. per cwt. c.i.f.

LAVER OIL.—The distillation of the new French crop commenced about a week ago, and it is confirmed that it will be about half an average crop.

LIME OIL is flat and lower, West Indian distilled offering at 8s. and hand-pressed at 9s. per lb. on the spot.

MANNA.—Crop is an average one, both as regards quantity and quality. Prices to arrive from Palermo are about equal to 5s. 9d. for best flake, 4s. for No. 2, and 2s. 9d. for sorts.

MENTHOL.—The spot price of Kobayashi-Suzuki is 10s. 6d. to 10s. 9d. per lb., and for August-September shipment, 10s. 1½d. to 10s. 3½d. per lb. c.i.f. has been paid, and oil at 3s. 4½d. c.i.f. The exports from Japan during May amounted to 28,824 kin. valued at 212,064 yen. During the five months ended May 31 the exports were:

	1914	1915	1916
Kin ...	191,140	183,093	203,865
Yen ...	1,320,470	1,012,040	1,513,810

The destinations were as follows:

To	1914 Kin	1915 Kin	1916 Kin
British India ...	7,601	13,150	6,572
Great Britain...	36,372	43,631	90,837
France ...	15,126	31,532	38,220
Germany ...	74,007	—	—
United States...	52,432	76,283	59,131
Other countries	5,602	18,494	9,105
	191,140	183,093	203,865

METHYL-SALICYLATE.—On the quiet side at from about 10s. to 10s. 6d. per lb.

MINT OIL.—Japanese dementholised is firm, Kobayashi-Suzuki offering for August-September and September-October shipment at 3s. 4½d. c.i.f. being dearer. The exports from Japan during May amounted to 20,797 kin. valued at 47,393 yen. During the five months ended May 31 the exports were:

	1914	1915	1916
Kin ...	186,331	205,139	198,540
Yen ...	615,639	409,722	457,670

OILS (FIXED).—*Linsced* is dearer at 37s. in pipes on the spot and 38s. in barrels. *Cottonseed* is easier at 39s. 6d. for crude in pipes on spot, 44s. for refined in pipes, and 52s. to 54s. for sweet refined in barrels. *Rape* is firm; ordinary brown naked on spot is nominal at 40s., British refined in barrels is 48s. to 50s., and Japanese in cases 38s. 6d. c.i.f. for August-September shipment. *Cocunut* is dull at 51s. 6d. for Ceylon in hogheads on spot and 49s. in pipes. *Cochin* on spot is 52s. to 54s., and London pressed is 42s. 6d. per cwt. *Hankow Wood* oil is 53s. spot. *Soya* is firmer at 37s. 9d. c.i.f. for August-September shipment; *Hull* crushed is 41s. 6d., and extracted 38s. 3d. *Lagos Palm* is 40s. on spot, and 35s. 9d. in Liverpool. *Castor* is quiet at 4½d. per lb. ex store Liverpool for good seconds Calcutta. *Ground nut* is 52s. 6d. to 60s. per cwt. *Lard* oil 70s. to 77s., *Seal* 39l. to 50l. per tun; *Whale* 43l. to 49l., bright *Sperm* 45l. to 47l., *Cod* 39l. to 42l. 10s.

OPIMUM.—Business has been practically suspended, pending the issue of permits to buy and sell the drug, which will be granted to approved firms. It is not, of course, intended to interfere with the legitimate sale of the drug. Meanwhile prices are unchanged.

OTTO OF ROSE.—Home trade is very quiet, but there is a fair demand for export; sellers of finest ask 45s. per English ounce.

OXALIC ACID is offered at 1s. 7d. per lb.

PARALDEHYDE is lower at from 10s. to 10s. 6d. per lb. net.

PEPPER is dearer for black Singapore, spot sales being made at 7½d.; Lampong is 8½d. and Tellicherry 8¾d. Sellers of fair white Singapore on spot ask 9½d., Muntok 9¾d., and Penang 9¾d.

PHENAZONE is cheaper at 61s. per lb.

PHENOLPHTHALIN is still very scarce, with small sales at about 125s. per lb.

PIMENTO is rather firmer at 3d. per lb. spot and 26s. per cwt. c.i.f.

POTASH IODIDE.—The exports from Japan during May amounted to 17,024 kin. valued at 130,226 yen. During the five months ended May 31 the exports were:

	1914	1915	1916
Kin ...	36,255	71,563	77,100
Yen ...	235,057	535,076	574,163

There were no exports of *Crude iodine* from Japan during May, and for the five months the exports were 150 kin, against 1,185 kin and 9,132 kin for the corresponding periods of 1915 and 1914. Fair arrivals of potash iodide have taken place from Japan in London, with spot parcels offering at 13s., less 5 per cent.

POTASH PERMANGANATE is offered at 6s. 9d. to 7s. per lb.

POTASHES.—Montreal are again lower at 175s. per cwt. for first Government brand on the spot, while arrival prices are much lower.

QUILLAYA is steady at 39l. per ton for f.a.q. ex store Liverpool.

QUININE.—The second-hand market remains quite unaltered, no interest being evinced. Quotations for the Continental sulphate are from 2s. 10d. to 3s. The landings in London during July were 10,000 oz. and the deliveries 69,280 oz., leaving a stock on July 31 of 1,314,512 oz., against 2,181,344 oz. in 1915.

QUININE HYDROCHLORIDE has been selling at 3s. 9d. per oz. in quantity.

SALICYLATES are dull of sale, with prices on the easy side. Sellers of spot ask 11s. 6d. to 11s. 9d. for salicylic acid powder of B.P. quality, and 11s. 6d. to 11s. 9d. for soda salicylate of B.P. quality.

SALOL is cheaper at from 30s. to 32s. 6d. per lb.

SHELLAC is firm, with the usual standard quality of TN Orange selling at from 110s. to 111s., E and O fine at 120s., fine orange 125s. to 135s., AC Garnet 107s., and GAL 98s. Futures are dearer, the sales including August 108s. to 116s., October 110s. to 118s., and December 112s. 6d. to 120s.

SODA HYPOSULPHITE is offered at 17l. per ton ex wharf for pea crystals in kegs.

SULPHONAL is dearer, up to 32s. having been paid.

TARTARIC ACID.—Prices continue very irregular, but are much lower in certain quarters, as during the past fortnight sales of ton lots have been made by the English makers at 2s. 10d. to 2s. 11d. For July-August shipment French make is offered at 3s. 1½d. Arrivals of tartaric acid continue good, and this has helped to ease values.

TURPENTINE is from 6d. to 9d. per cwt. dearer. *American* closing at 41s. 10½d. on the spot and forward 42s. 4½d. *French* is 40s.; *Russian* not offered.

VANILLIN is again easier, with sellers at from 34s. to 34s. 6d. per lb.

WAX, VEGETABLE.—Japanese is held for 70s. per cwt. on the spot, and to arrive 60s. c.i.f. is quoted.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets from May 22 to May 29:

FRANGULA-BARK.—Old is very scarce, and is from m.53 to m.60 for whole and from m.80 to m.85 per 100 kilos. for first sifted cut. Prices are not expected to become lower, as those who generally gather the bark are at the war.

HELIOTROPIN is quoted at m.35 per kilo.

JUNIPER-BERRIES.—Italian have been offered in large quantities *via* neutral countries, and prices have fallen to from m.70 to m.75 per 100 kilos. for natural.

LEAD ACETATE has again been advanced by makers. First white in large crystals is from m.145 to m.150.

MAG. SULPH.—Makers have advanced the price by m.1.25 per 100 kilos. to from m.7.50 to m.8 per 100 kilos.

NAPHTHALINE.—Only second-hand is to be had; m.75 per 100 kilos, is asked.

OPIMUM is offered in larger quantities, so that good quality is obtainable at from m.44 to m.45 per kilo.

PEPPERS have so much advanced that the demand has quite fallen off. Actual quotations in Hamburg are from m.960 to m.990 for white washed Muntok, from m.880 to m.890 for white Singapore and Tellicherry, and from m.850 to m.870 per 100 kilos. for black Lampung.

POTASH CARBONATE has advanced to m.62 per 100 kilos for 80 to 85 per cent., and to m.68 for 90 to 95 per cent.

POTASH PERMANG.—Although large quantities are required the market is to a great extent dependent on second-hand stocks, as the makers are unable to furnish adequate quantities. From m.280 to m.300 per 100 kilos. has already been paid.

QUASSIA—Jamaica is scarce at from m.105 to m.110 per 100 kilos.

QUICKSILVER AND MERCURIALS.—Quicksilver is now from m.450 to m.475 per bottle. These high prices have led to an advance in the prices of mercurials. Powdered corrosive sublimate is from m.970 to m.980 per 100 kilos., and calomel from m.1.100 to m.1.150.

QUILLAYA is steadily advancing on account of active demand and diminishing stocks. Cut is from m.440 to m.450 per 100 kilos.

TAMARINDS.—Demand has fallen off, and the price of first Calcutta has fallen to from m.185 to m.190.

VANILLA—"Bourbon" is scarce and the demand good.

VANILLIN is dearer at from m.118 to m.119 per kilo.

WAXES.—Bees' has been difficult to import *via* neutral countries, and several lots were sold immediately at steadily increasing prices. White bleached is from m.735 to m.760; extra fine white from m.745 to m.755; dark yellow, commercial quality, is m.670 to m.680; light yellow at from m.680 to m.690. *Carnauba* has advanced considerably during the last month in consequence of very active demand. Current grey is from m.1.050 to m.1.060 per 100 kilos.; fatty grey m.1.060 to m.1.070; and the yellow sorts fail completely. The stocks of *Japanese* wax are quite cleared, large quantities having been sold at very high prices—viz., m.850 to m.860 per 100 kilos.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals during the period July 25 to August 1, inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—e.g., cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.	To Liverpool.
Acetanilide (N.Y.) 33 brls.	Acetic ac. (N.Y.) 66 Antim. ore 6,074 Argol (It.) 87 eks. Barytes (Sp.) 40 Citric ac. (It.) 8 eks. Copra 308 Cream of tartar (Sp.) 22 eks. Drugs (N.Y.) 5 cs. 28 pkgs., (Fr.) 98 cs. 31 pkgs. (Montreal) 19 cs. Essent. oils (Sie.) 18 cs., (N.Y.) 10 cs. For m a l d ehyde (U.S.A.) 140 Geranium oil 4 cs. Glucose 853 Glycerin (N.Y.) 29 dms. 15 cs., (Fr.) 134 eks. Ground-nuts 5,389 G. copal 20 Gums, undescribed (N.Y.) 400 cs. Herbs (Sp.) 138 bgs. Honey (N.Y.) 80 brls., (Jam.) 249 eks. Ipecac. (M. Video) 80 bls. Lactic acid (U.S.A.) 28 brls. Linseed (B. Aires) 17,409 bgs., (E.I.) 3,660 Liquorice (It.) 23 cs. Liquorice-rt. (Sp.) 20 Medicinal prod. (N.Y.) 69 cs., (R'dam) 20 cs. Milk-sugar (Amst.) 25 cs. Molasses 1,300 tons Olive oil (It.) 25 eks. Palm-kern. 41,925 bgs. Palm oil 2,426 eks. Perfumery (Fr.) 18 cs. 70 pkgs. Quebracho 67,440 bgs. Quinine (R'dam) 15 cs. Rape-seed 1,203 Roots, barks, herbs, etc. (N.Y.) 10 pkgs., (Fr.) 30 bls. Saltpetre 750 Soda chlorate (Fr.) 97 eks. Soda nitrate 54,853 Soda perbor. (N.Y.) 38 Soy oil 53,000 cs. Sulphur (Sie.) 5,208 pkgs. Tartaric ac. (It.) 40 brls. Tin tetrachlor. (N.Y.) 30 cs.
Agar-agar 25	
Aloes (Cape) 20 cs., (N.Y.) 50 cs.	
Ammon anhyd. (U.S.A.) 150	
Ammon. phosph. (N.Y.) 99 brls.	
Anatto-seed (Java) 62, (W.I.) 50	
Antim., crude 250	
Antim. ore 2,905	
Antipyrin (Fr.) 21 eks.	
Argol (Sp.) 87, (Port.) 225, (It.) 280, (Cape) 213	
Arsenic (Fr.) 12 eks.	
Barytes (Sp.) 3,600, (It.) 250	
Benzoïn (S.S.) 35 cs.	
Buchu 14 pkgs.	
Caffeine (Fr.) 5 pkgs.	
Calc. carbide 1,800 dms.	
Calc. carbonate (It.) 500	
Calc. citrate (W.I.) 15 eks., (Sie.) 19	
Camphor ref. 655 cs.	
Cassia 287	
Cassia-bark 1,030 cs. 500 bls.	
Cassia-buds 200 cs.	
Chemical products, medicines, perf., etc. (N.Y.) 1,606 pkgs.	
Cinchona (A'dam) 44	
Cod-liver oil (R'dam) 25 cs.	
Colza oil 1,500 cs.	
Copra 1,012 bgs.	
Drugs (Fr.) 10 cs.	
Essent. oils (Sie.) 57 cs., (Batavia) 22 dms.	
Formaldehyde (N.Y.) 239 brls.	
Galls (Ch.) 640	
Ginger (Jap.) 70, (Jam.) 537 bgs. 59 brls.	
Glucose 1,668	
Ground-nuts 700	
Ground-nut oil 1,900 cs. 300 eks. 100 brls.	
G. copal 1,057 pkgs.	
G. damar 150 cs. 617 bgs.	
Honey (N.Y.) 100 brls., (Jam.) 871 eks. 55 brls.	
Indigo (Java) 78 cs.	
Ipecac. (Johore) 15	
Kola (Jam.) 128	
Lactic ac. 20 eks.	
Lemon oil (Sie.) 18 cs.; see also Ess. oils	
Lime-juice (Gren.) 19 pus.	
Liquorice-root (Sie.) 12	
Logwood 100 tons	
Mace 74 pkgs.	
Medicines (N.Y.) 219 cs., (Boston) 45 cs.	
Menthol and oil 110 cs.	
Milk-sugar (A'dam) 50 cs.	
Nutmegs (W.I.) 86, (S'pore) 25 bgs. 50 cs.	
Olive oil (Ital.) 50 bxs. 3 brls. (Fr.) 10 eks.	
Pepper, white 1,673	
Perfumery (Fr.) 15 cs.	
Pimento (W.I.) 1,303	
Potash iodide (Jap.) 20 cs.	
Potash perchlor. (Fr.) 200 eks.	
Quicksilver (N.Y.) 500 bott.	
Quinine (A'dam) 7 cs.	
Roots, barks, herbs, leaves, etc. (Sp.) 89 bgs.	
Salicylic ac. (N.Y.) 9 brls.	
Sarsaparilla (N.Y.) 25, (Jam.) 5	
Sesame-seed 13,900	
Soy (Jap.) 101, (H. Kong) 300	
Soya oil 3,750 cs. 149 eks.	
Spices (W.I.) 290 pkgs.	
Squill 25 bgs.	
Sticklae 206 cs.	
Sulphur (Sie.) 650 bgs. 920 brls., (A'dam) 576 bgs.	
Tannic ac. (N.Y.) 25 brls.	
Tartar (Sp.) 59 brls., (It.) 16 cs.	
Tartaric acid (It.) 457 brls., (Fr.) 70 cs.	
Vanilla (Fr.) 5 cs.	
Vaseline 1,042 cs.	
Verm. destroyer (N.Y.) 1,500 pails	
Wax, bees' (Beira) 213 pkgs., (Del. Bay) 24, (R'dam) 10, (Natal, etc.) 27, (Jam.) 25	
Wax, veg. (Jap.) 23 cs.	
Wood oil 733 eks. 328 dms. 1,000 cs.	
To Bristol.—Casein (Fr.) 128; molasses 1,600 tons. To Falkstone.—Drugs (Fr.) 14 pkgs.; perfumery (Fr.) 410 pkgs. To Grimsby.—Dyestuffs (Fr.) 34 brls. To Hull.—Chemical products (Norw.) 200 cs.; glucose (N.Y.) 600 brls.; soda silicate (N.Y.) 40 kgs. To Manchester.—Phosphorus (Montreal) 450 cs.; soda chlor. (Montreal) 500 kgs.	



Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Hyd. c. Cretâ.

Excise (30/25) asks: "Could 'Periscope' (20/30) go a step further and tell us where to buy mercury to work out at his figure?"

A Holiday Change.

"It has occurred to me that there may be many chemists like myself who feel that a change of surrounding would be as good as a rest, and who would entertain the idea of exchanging services for, say, ten days or a fortnight with another brother pill. The man from the country might like a trip to London, and the London man might like a change of getting a little fishing or rambling after hours and on Sunday. Should the idea strike any brother pharmacists as being workable I shall be glad if they will communicate with me, when I think we might set on foot some scheme which will prove very beneficial in many ways."—*J. H. P. Bolton* (27 The Green, Winchmore Hill).

Perverting a By-law.

Johannis (32/24) writes: "I have never seen much necessity for the division of the Minor exam., but I think your Summer Number of the *C. & D.* has made me a convert. I have been sole housekeeper to-day, and have had the enviable privilege of a prolonged, uninterrupted sitting, in which I have perused the journal from cover to cover, but how I am to assimilate and retain the many interesting subjects you have dealt with is even a greater mystery than how you have been able to put in so many subjects, without letting the interest flag, in one number. I feel like the Minor man—the result might have been better if I had taken it in two parts. The article on the Clapham Pharmacy is specially interesting to me. No one rejoices more than myself at the success the present proprietors are making of their unique and plucky venture. Four pharmaceutical chemists, and all women, in one business is without precedent."

Miscellaneous Inquiries.

African (9/39).—We expect that the aniline marking-ink to which you refer has become thick owing to some change in the ingredients either through heat or on account of bacterial action. A way that you could thin it would be to dilute very slightly with a mixture of rectified spirit 1 part and distilled water 3 parts. It is not advisable to add any chemical compound to it.

Limited (33/2).—The Proclamation and Regulation regarding the importation and sale of cocaine and opium do not apply to codeine, heroin, or any other active principle of opium, nor to preparations thereof.

Eastham (34/68).—The Registrar of Trade-marks is appointed for the purpose of determining such questions as you submit, and so far as "Jackson's" application is according to order he is legally entitled to apply; his opponent may object, then the Registrar will decide.

Omaga (29/27).—TOOTH-POWDER FOR ARTIFICIAL DENTURES:

Precipitated chalk	...	12 oz.
Powdered cuttle-fish bone	...	1 oz.
Sodium bicarbonate	...	1 oz.
Powdered Castile soap	...	$\frac{1}{2}$ oz.
Carbolic acid	...	1 dr.

Mix well.

Gaucho (25/57).—FERRATED COD-LIVER-OIL EMULSION:

Cod-liver oil	...	20 oz.
Iron pyrophosphate	...	240 gr.
Powdered acacia	...	5 oz.
Syrup of orange-peel	...	2½ oz.
Syrup of tolu	...	2½ oz.
Distilled water to	...	40 oz.

First prepare the emulsion of cod-liver oil, using 10 oz of water at 90° F., then add the syrups, the iron pyrophosphate dissolved in 3½ oz. of water, and lastly sufficient water to make up the measure.

Student (19/32).—(1) CHOICE OF A MICROSCOPE.—See *C. & D.*, March 4, p. 48. (2) BOOK ON BACTERIOLOGY.—Hewlett's "Manual of Bacteriology" (Churchill, 12s.).

Keneva (29/9).—GLACIAL ACETIC ACID.—The specification "50°" after glacial acetic acid indicates the commercial variety, melting at 50° F. The official melting-point is 15.5° C., corresponding to 60° F.

Simplex (29/36).—TARTAR can be dissolved from the teeth by means of acetic or hydrochloric acid, but is better removed by dental instruments. To prevent deposition of tartar an alkaline tooth-powder should be used, such as the following:

Precipitated chalk	...	2 oz.
Sodium bicarbonate	...	1 dr.
Powdered camphor	...	1 dr.
Oil of peppermint	...	1m

Mix.

Carrick (31/25).—GREEN STOOLS IN BABIES are generally a sign of acute intestinal indigestion; they are unusual in breast-fed babies. The mother should be warned about eating anything but plain, wholesome food, avoiding tinned food, and being sparing of cabbage; the child should be fed at regular intervals, and the nipples and child's mouth should be cleansed with borax and warm water. A dose of castor oil should be given to cleanse the bowel, then $\frac{1}{2}$ gr. hyd. c. cretâ twice daily, or $\frac{1}{2}$ gr. of calomel every two hours as an intestinal antiseptic.

Gossypium (12/59).—PREVENTING MILDEW ON COTTON.—We think you are using the word "oil" in a special sense, and not in its real meaning. The commonest antiseptic which is added to the sizing-material is zinc chloride; other agents are sodium chloride, alum, carbolol and cresylic acids, salicylic acid, thymol, and sodium sulphite. Is it possible that your customer designates a solution of any of these an "oil"?

Tartrazine (250/20).—ANILINE DYES.—There is a large demand for tartrazine and Bismarck brown in dyeing. The patents covering the manufacture have expired, but we do not think it would pay you to start making these two aniline dyes. The manufacture of aniline colours involves the dovetailing of groups of like products, in which either the raw materials are the same, or the waste products of one manufacture become the raw materials of another substance.

W. P. (13/41).—We do not know the composition of "Electrolite."

A. S. C. (14/29).—The Secretary of the Chemists' Dental Society is Mr. Benson Harries, 84 Commercial Road, Newport, Mon., who will furnish particulars as to membership on application.

J. E. (Hong-Kong) (4/56).—(1) ALCOHOL AS AN ANTIDOTE TO CARBOLIC POISONING.—It is a fallacy to suppose that alcohol is an antidote to carbolic acid. The only ground upon which this can arise is that when phenol is diluted it is less caustic, and alcohol, being a better solvent of carbolic acid than water, is preferable. No chemical action takes place between carbolic acid and alcohol. Recent work in the hygienic laboratory of the United States Public Health Service has shown that in experiments with animals "the addition of ethyl alcohol to solutions of phenol in water does not, in any way, inhibit the toxic action of phenol, but rather tends to facilitate absorption and thus hasten death." (2) OIL OF CASSIA is chiefly used as a perfume and as a flavouring-agent and spice in place of the more expensive cinnamon oil. The last-mentioned oil is sometimes adulterated with cassia oil. (3) THE EGG-JULEP FORMULE in "Pharmaceutical Formulas" are representative.

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Pharmaceutical Society of Great Britain.

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 „ Scilla, B.P., 6 lbs. @ 5d. lb.
 * Acid, Acet. Glacial, 99%, 6 lbs. @ 4/- lb.
 „ Acetylo-Salicyl. 1 lb. @ 42/- lb.
 „ Benz. B.P., 7 lbs. @ 26/- lb.; 1 lb. @ 2/6 lb.
 „ Boric Pulv., 3 cwt. @ 61/9 cwt.; 1 cwt. @ 62/9 cwt.; leviged 3/- cwt. or 3/4 d. lb. extra.
 „ Carbol. Xtls., 39/40; 56 lb. drums @ 2/1 lb.; 12 1-lb. Bots. @ 2 1/4 lb.; Single Bots. @ 2/6 lb.; Detached Cryst. 1 lb. @ 2 1/8 lb.; Crude Black, 45 gall. casks @ 1/1 gal.; 5 gall. drums @ 1/8 gall.; 1 gall. tins @ 2/6 each.
 „ Citric, cryst., B.P., '85, 7 lbs. in bags @ 3/9 lb.; powder, 1d. lb. extra.
 „ Diethylbarbituric, 1 oz. @ 5/6 oz.
 „ Gallic, pur., P.B., 7 lbs. @ 7/3 lb.; 1 lb. @ 7/6 lb.
 * „ Hydrochlor. Coml., cases of 4 2-gal. jars, 28/6 each; 20 case lots @ 27/6 each.
 * „ Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vials @ 7/6 doz.
 „ Oxalic Cryst., 1 cwt. @ 2/0 1/2 lb.; 14 lbs. @ 2/2 lb.
 „ Phosph. Dil. B.P., 6 lbs. @ 5d. lb.
 „ Salicyl. pulv. 1 lb. @ 16/- lb.
 „ Sulphur, Coml., cases, 4 2-gal. jars @ 36/- each; 20 cases @ 35/- each.
 „ Sulph. Aromat. B.P., 5 lbs. @ 4/4 lb.
 „ Tannic, B.P., 1 lb. @ 5/6 lb.
 „ Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 3/6 lb.; parv. 1d. lb. extra.
 Adeps Benz., B.P., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
 Ærugo Æris Pulv., 14 lbs. @ 1/5 lb.
 Aloes Barb., English-ground, 28 lbs. @ 120/- cwt.; 7 lbs. @ 1/3 lb.
 Aloes, Socot., B.P., 1/5 lb.; powder, 7 lbs. @ 1/6 lb.
 Aloin, B.P., 1 lb. @ 5/6 lb.
 Ammon. Benz., 7 lbs. @ 26/- lb.; 1 lb. @ 27/- lb.
 Ammon. Brom. P.B., 1 lb. @ 7/3 lb.
 Ammon. Carb. lump, 3 cwt. @ 8d. lb.; 28 lbs. @ 9d. lb.; 7 lbs. @ 9 1/2 d. lb.; powder, 1d. lb. extra.
 Ammon. Chlor., 99% pulv., 1 cwt. @ 59/- cwt.; 7 lbs. @ 7 1/2 d. lb.; Batteries, 6/- cwt. extra.
 Amyli Pulv., 10 cwt. @ 31/- cwt.; 2 1/2 cwt. @ 32/- cwt.; 1 cwt. @ 33/6 cwt.
 Aniseed, English ground, 1 cwt. @ 62/- cwt.; 7 lbs. @ 7 1/2 d. lb.
 Antim. Nig. Pulv., 7 lbs. @ 1/2 lb.
 Antim. Tart. Pulv., 7 lbs. @ 3/6 lb.
 Apioi, 1 lb. @ 29/- lb.
 * Aqua Anethi Conc. 1-40, 1 lb. @ 3/5 lb.
 „ Anisi Conc. 1-40, 1 lb. @ 3/5 lb.
 „ Aurant. Conc. 1-40, 1 lb. @ 6/8 lb.
 „ Aurant. Trip., 6 lbs. @ 8d. lb.; 53 lbs. for 23/-
 „ Cinnam. Conc. 1-40, 1 lb. @ 3/10 lb.
 „ Laurocerasi, 6 lbs. @ 8d. lb.
 „ Menth. Pip. Conc., 1-40, 1 lb. @ 3/6 lb.
 „ Rosæ Conc. 1-40, 1 lb. @ 7/6 lb.
 „ Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ 8d. lb.
 „ Samb. Conc., 1-40, 1 lb. @ 6/8 lb.
 „ Samb. Trip., 6 lbs. @ 8d. lb.
 Araroba, fine powder, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.
 Argent. Nit., 6's to oz., 25 oz. @ 2 1/2 oz.; 1 oz. @ 2/4 oz.
 Argent. Nit., Cryst., 25 oz. @ 2/0 1/2 oz.; 8 oz. @ 2 1/4 oz.
 Arsenic, Alb. Pulv., 2 cwt. @ 43/6 cwt.; 7 lbs. @ 5 1/4 d. lb.
 Atropinæ Sulph., P.B., 1 oz. @ 165/- oz.
 Auri Chlor., 6 doz. 15 gr. tubes @ 22/6 doz.; 1 doz. 15 gr. tubes @ 22/9 doz.
B als. Copaibæ, pure, 44 lbs. @ 3/5 lb.; 9 lbs. @ 3/8 lb.; 1 lb. @ 4/-
 „ Peruv., P.B., 1 lb. @ 20/- lb.
 „ Sulphur, 7 lbs. @ 1/- lb.
 „ Tolut. B.P., 50 lbs. @ 2/- lb.; 1 lb. @ 2/10 lb.
 Bismuth, P.B., Carb., 3 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.; subnit., same price.
 Boracic Mixture, 1 cwt. @ 85/- cwt.
 Borax, 1 cwt. @ 37/-; powder 1/- extra.
 Butyl-Chloral Hydras., P.B., 1 lb. @ 1/- lb.
C affeine, P.B., 1 lb. @ 40/- lb.
 Caffeinæ Cit., B.P., 1 lb. @ 25/6 lb.
 Calamina, powder, fine pink, 5 cwt. @ 16/- cwt.; 1 cwt. @ cwt.; 7 lbs. @ 2 1/2 d. lb.
 Calamine, B.P., 1885, 7 lbs. @ 1/3 lb.
 Calcii Carb. Præcip., 5 cwt. @ 18 6 cwt.; 1 cwt. @ 23/- cwt.; 28 lbs. @ 27/6 cwt.
 „ Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
 „ Hypophosph. Pur., P.B., 1 lb. @ 3/- lb.
 „ Iodid., 1 lb. @ 25/- lb.
 Camphor, English Flowers, "not artificial," 5 lbs. @ 2 5/8 lb.; 1/2 oz. or 1/4 oz. 7 lbs. @ 2/3 lb.; good white, about 95% as imported, 140 lbs. @ 1/9 1/2 lb.; 28 lbs. @ 1/10 1/2 lb.
 Capsicine, soluble, 1 lb. @ 9/6 lb.
 Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 25/- cwt.; 28 lbs. @ 31/4 d. lb.
 Cardamoms, 28 lbs. @ 3/3 lb.; 7 lbs. @ 3/6 lb.
 Carmine, Finest, 1 lb. @ 30/- lb.; No. 2, 1 lb. @ 25/- lb.
 Cera Alba, B.P., White Moons, 28 lbs. @ 2/2 lb.; 4 lbs. @ 2/4 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9 1/2 lb.; 4 lbs. @ 1/10 1/2 lb.; 1 oz., 1/2 oz. tabs., 7 lbs. @ 1/10 1/2 lb.
 Cerii Oxalas, 1 lb. @ 6/6 lb.
 Cetaceum, No. 1, fine white, 64 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.; powder, 7 lbs. @ 1/7 lb.
 Chloral Hydras Cryst., B.P., 7 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.
 Chlorodyne, 5 lbs. @ 2/6 lb.
 * Chloroform, pure, B.P., 12 8-lbs. @ 3/2 lb.; 8 lbs. @ 3/3 lb.; 6 1-lb. bots. @ 3/7 lb.
 Cocaine Hydrochlor., B.P., 25 oz. @ 21/6 oz.; 4 oz. @ 22/6; 1 oz. @ 24/- oz.
 Codeina, 1 oz. @ 25/6 oz.; Phosph., 1 oz. @ 21/- oz.; Hydrochlor. or Sulph., 1 oz. @ 22/- oz.
 Colocynth, Apple, English ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.
 Composition Powder (Coffin's), 1 cwt. @ 62/- cwt.; 7 lbs. @ 8d. lb.
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 Cort. Aurant. Exot. Shreds, 7 lbs. @ 2/4 lb.
 „ Cinchon. Rub. (Quill), 7 lbs. @ 1/5 lb.
 „ Ulmi Fulvæ, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.
 Cream of Tartar, 98% powder, 1 cwt. @ 207/- cwt.; 7 lbs. @ 2/- lb.
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 Creta c. Campb., 7 lbs. @ 10d. lb.
 „ Gall. Pulv., in sacks, 10 cwt. @ 9/- cwt.; 1 cwt. @ 11/- cwt.; 14 lbs. @ 1 1/4 d. lb.
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 * Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/- lb.; Sinecroco, 6 lbs. @ 1/3 lb.
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 „ Senegæ Conc., 6 lbs. @ 2/10 lb.
E mp. Spread, 12 yards x 16 ins. adhesive, 6/-; Bellad. B.P.C., Green @ 28/6; Cerat. Saponis @ 12/4; Picis Co @ 12/4; Plumbi @ 10/-; Resinæ @ 7/6; Roborans @ 11/6; Saponis, B.P., @ 10/-
 Emp. Picis, P.B., 7 lbs. @ 1/1 lb.
 „ Plumbi, P.B., 7 lbs. @ 11d. lb.
 „ Resinæ, P.B., 7 lbs. @ 11 1/2 d. lb.
 „ Roborans, 7 lbs. @ 11 1/2 d. lb.
 Emulsio Ol. Morrhuæ, 5 lbs. @ 1/7 lb.
 Eserine Sulph., in 15-grain tubes, 8/3 each.
 Ess. Bergam. (Oil), 12 lbs. @ 13/- lb.; 1 lb. @ 14/- lb.; not guaranteed absolutely pure.
 Ess. Limonis (oil) original coppers, 12 lbs. @ 4/3 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.
 * Ess. Moschi (not artificial), 5 lbs. @ 13/6 lb.; 1 lb. @ 14/3 lb.
 * Ess. Pear (artificial), Jargonelle, 5 lbs. @ 3/- lb.; Bergamot, 3/6 lb.
 * Ess. Pineapple, 5 lbs. @ 4/- lb.
 * „ Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
 * „ Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
 * Ext. Belladonnæ Liq., B.P., 5 lbs. @ 20/- lb.; 1 lb. @ 21/- lb.; solid, 7 lbs. @ 12/- lb.
 Ext. Cannab. Ind., Alc., B.P., 1 lb. @ 54/- lb.
 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 17 1/2 lb.; 10 lbs. @ 1/10 lb.
 * Ext. Ergot. Liq. P.B., 5 lbs. @ 4/8 lb.; 1 lb. @ 5/2 lb.; Solid, P.B., 4 lbs. @ 25/- lb.; 1 lb. @ 26/6 lb.
 Ext. Gent., P.B., solid, 1 cwt. @ 1/10 lb.; 7 lbs. @ 2/- lb.
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 Ext. Opii Solid, P.B., 1 lb. @ 72/- lb.
 * Ext. Opii Liq., B.P., 5 lbs. @ 5/7 lb.; 1 lb. @ 6/2 lb.
 Ext. Quassia, Solid, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.
 Ext. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.
F erri Ammon. Cit., P.B., 28 lbs. @ 4/5 lb.; 7 lbs. @ 4/7 lb.
 Ferri Carb., 14 lbs. @ 6d. lb.
 Ferri et Quinina Cit., P.B., 100 ozs. @ 1/1 1/2 oz.; 25 ozs. @ 1/2 oz.
 Ferri Sulph., pure cryst., 1 cwt. @ 3 1/4 d. lb.; 7 lbs. @ 3 1/4 d. lb.
 Ferrum Redact., 80%, 7 lbs. @ 7/6 lb.; 1 lb. @ 7/10.
 Flor. Anth. Exot., 7 lbs. @ 1/8 lb.
 Fol. Buchu, oval, 7 lbs. @ 2/10 lb.
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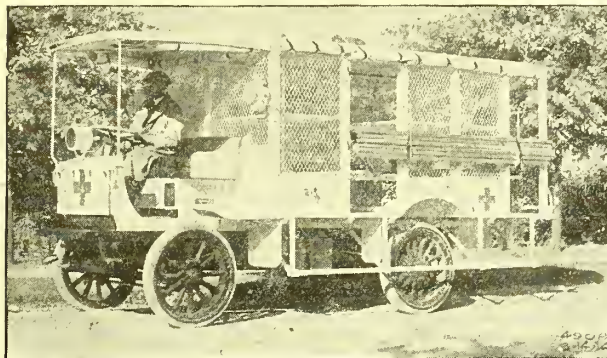
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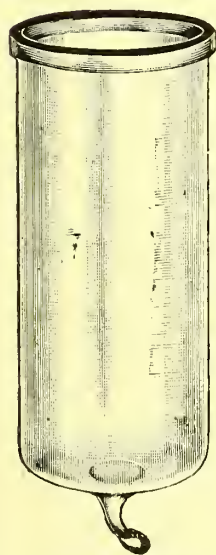


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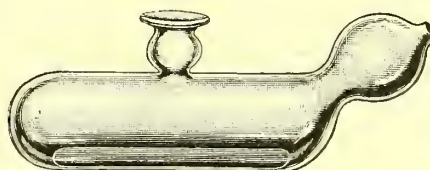
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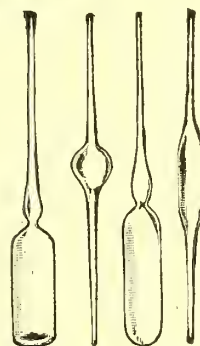
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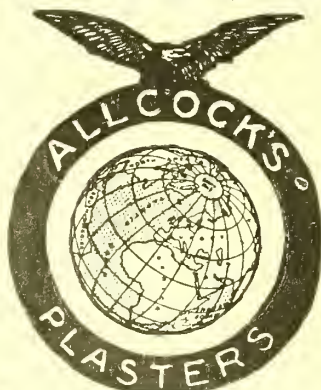
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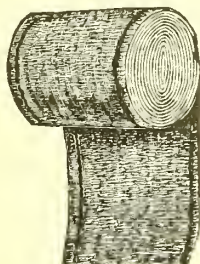
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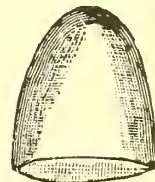
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Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL, "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,
INVENTOR AND SOLE MAKER,
15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

“Yes, It's Deadly!”



MINIMUM RETAIL

3d. size ... 2/- doz. 6d. size ... 4/- doz.
4½d. „ ... 3/- doz. 1/- „ ... 8/- doz.

3/6 size (1 lb.) ... 28/- doz.

Evans Sons Lescher & Webb Limited
London & Liverpool

THE DOOMO AIRSHIP FLY BAND
1st class
GUMMED ON BOTH SIDES

A wide band sticky on both sides, unrolling like a blind.
Proprietors of FLYDOOMO—
the old Favourite Fly Paper.

Jno. H. Smith & Co.
NEWARK-ON-TRENT.

REAL FLYCATCHERS!

THE "FLYSAC"
Reg. Trade Mark
Pat. No. 20631-1909

THE "VAMPIRE"
Reg. Trade Mark
Pat. No. 4172-1899

THE "VIPER"
Reg. Trade Mark
Pat. No. 566-1909

The above Flycatchers are of proved effectiveness. They are neat, clean, and easy to handle. Stock well and sell well and readily repeat. Only the finest materials are used in their construction.

“COME TO STICK!”

These goods are no experiment, but the outcome of over 30 years' experience in the manufacture of Birdlimes and Fly Gums.

KAY BROTHERS Ltd., STOCKPORT.

Telegrams: “KAY STOCKPORT.” Nat. Tel. 247. (2)



**CHRISTY
STRONG'S**

**“COBWEB” & “GRIP”
FLY PAPERS**

Per Gross **6/-** Carriage Paid.

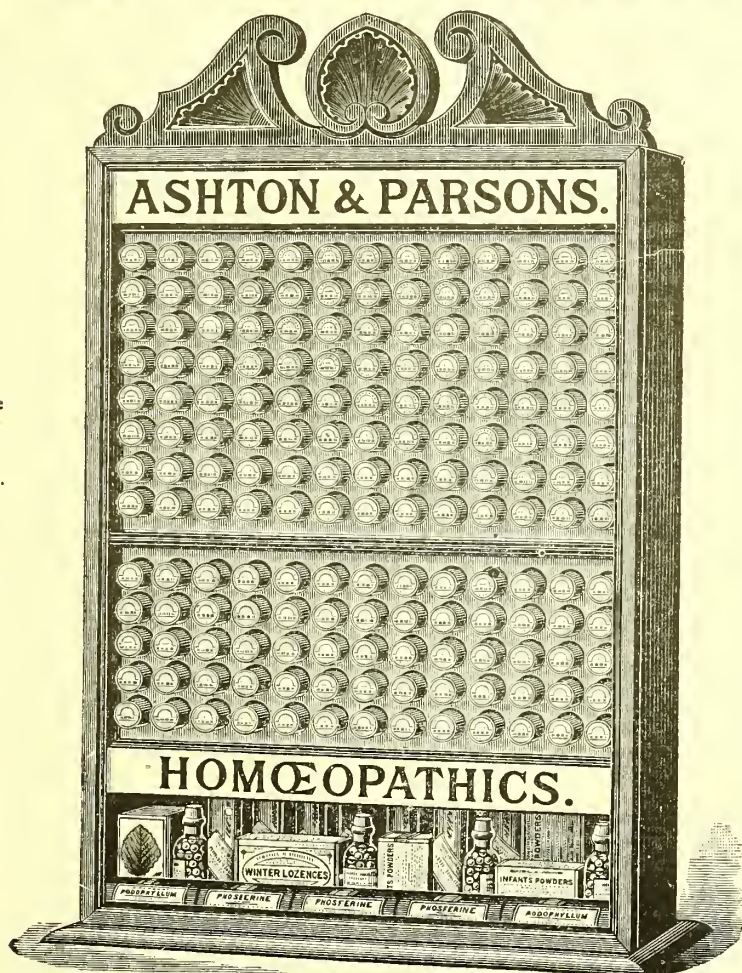
The “Strong” Fly String
8/- Per Gross.

Postal Address :

**115 CHATHAM STREET,
READING.**

Telegraphic Address: “STRONG READING.”

ASHTON & PARSONS' HOMŒOPATHIC SHOWCASE



THE "A. & P." SHOWCASE
PRICE - - 18/-

ASHTON & PARSONS supply their Showcases at actual cost price
No need to purchase a large quantity of unsaleable stock to obtain a
so-called "free" Showcase.

WRITE FOR ILLUSTRATED LIST, POST FREE.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.

By Royal Warrant of Appointment
to H.M. The King.



By Royal Warrant of Appointment
to H.M. The King.

Only
ONE
Address.

DAY & SONS, ESTABLISHED 1840.
CREWE. LTD. (CREWE)
HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only
ONE
Address.

LARGEST SALE IN THE WORLD.



DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

DAYS' HUSKOLEIN.

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

DAYS' "ZOMO-SAL."

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-



DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

DAYS' RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

DAYS' OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

DAYS' WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.

ONLY GENUINE FROM
DAY & SONS, CREWE, LTD.,
CREWE, ENGLAND.
LIBERAL TERMS FOR FOREIGN BUYERS.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, AUGUST 5, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

← This is what advertisers in The Chemist and Druggist Supplement secure. Not indefinite returns from spasmodic and inflated circulation, but regular, steady success—the best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—HIGHGATE (Near).—Good-class Business; returns under management about £1,050 yearly; *net profit* £300; attractive, well-fitted shop; excellent residence; price £450.

2.—GOLDER'S GREEN (Near).—Retail and Dispensing; very profitable middle-class Business; returns £1,500; will bear the fullest investigation; modern-fitted shop, with residence; terms, valuation and small premium for lease and goodwill.

3.—LONDON, S.W.—By order of the Trustee, well-established Business, Retail and Dispensing; returns, present rate, £16 weekly; this sum could be materially increased under energetic management; to effect a speedy transfer no reasonable offer will be refused.

4.—LONDON, N.W. (Death Vacancy).—Good-class Business; no immediate opposition; returns £1,000 yearly; *net profit* £300; modern, well-fitted shop; price £750.

5.—KENSINGTON.—Established Business, Retail and Dispensing; held by vendor many years; returns £1,000 yearly; *profits above the average of retail trade*; capital opening for modern trading; terms, value of stock and fixtures.

6.—NORTHERN SUBURB.—Middle-class Retail, chiefly ready money; returns average between £1,050 and £1,100; *net profit* £450; price about £600; full inspection invited.

7.—LONDON, S.W. (Death Vacancy).—Retail and Dispensing Business; returns £1,000; *gross profit* £500, present rate less; well-appointed shop, with residence; widow will consider any reasonable offer.

8.—SHROPSHIRE.—Mixed Business; good medium-class trade; returns average £600; several Proprietaries; well-appointed shop and roomy house; rent moderate; terms, valuation of stock and fixtures.

9.—SUSSEX (In the Heart of the Country).—Good-class Retail and Dispensing Business; returns show a steady increase, now £826; *net profit exceeds* £300; full investigation invited; price £650.

10.—NORTH-WEST OF ENGLAND.—Mixed Country Business, with own Proprietaries in good demand; steadily increasing returns, now about £2,850; terms, valuation of stock and fixtures and sum for goodwill to be agreed.

11.—LANCS (Main Marketing Thoroughfare).—Ready-money Business, with excellent Optical connection; returns £1,370, *yielding about* £600 *net profit*; valuation of stock and fixtures and sum for goodwill to be arranged equitably.

12.—HUNTS.—Unopposed Business, Retail and Agricultural; returns £825; *net profit* about £230; comfortable residence, with bathroom and offices, flower and kitchen gardens; rent £25; price £400.

13.—SOUTHERN COUNTY.—Unopposed Business; established many years; returns about £850; *net profit exceeds* £250; exceptionally good residence, with garden and outbuilding; price £400; this is much below market value.

14.—MIDLANDS (Fashionable Town).—Dispensing and Retail; all good middle-class trading; returns upwards of £3,000 yearly; vendor would entertain a partnership with a view to the income taking up the whole within a given period.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS

£800 returns.—KENT.—High-class Retail and Dispensing in fashionable locality; price £750.

£1,100 returns.—CHESHIRE.—Old-established Family Retail; good introduction given; net profit £300; price £550.

Valuations conducted upon the shortest notice at moderate fees.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."

KNIGHT & PARTNERS, Ltd.

AUCTIONEERS,

Hold a weekly auction sale for miscellaneous articles of every description. Write for particulars.

27 OLD QUEEN STREET, LONDON, S.W.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—WEST OF ENGLAND.—Old-established good-class Country Retail; returns approach £4,000; net profit about £1,000; splendid position; market town; fine premises; owner retiring; price £2,500; splendid chance for two smart men.

2.—N. WALES (Death Vacancy).—Good Family Retail and Dispensing, in popular health resort; returns £500; no sidelines; plenty of scope; low rent; large shop; fine position; same hands 20 years; price £200, or valuation.

3.—EASTERN COUNTY.—Unopposed Country Retail and Agricultural; returns £830; net profit £200; nearest Chemist 7 miles; very good house, bathroom, etc., large garden; family reasons sole cause of sale; price £400.

4.—SUSSEX COAST (Rising Town).—Well-established Light Retail Business, in good unopposed position; returns about £650; scope for increase; net profit £180; splendid house, nice garden; price only £275.

5.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £500; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

6.—LONDON (Near City).—Quick Cash Retail Business, in busy marketing centre; returns about £2,000; excellent profits; smart, up-to-date Pharmacy, fully stocked; price £950; part can remain.

7.—SOUTH LONDON (Healthy Suburb).—Good middle-class Retail; no Panel; returns £1,000; net profit £300; splendid main road position; good house; price £700; or Partner entertained.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

PARSON C. BAKER

Pharmaceutical Chemist,

TRADE VALUER AND TRANSFER AGENT.

Recommended by British Drug Houses, Ltd.; Meggeson & Co.; Barclay & Son.
Tel. No.: FINCHLEY 812.

VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND
FULL REPORTS, Town or Country, on moderate terms.

No charge whatever to vendors or purchasers except by agreement.

Personal Attention
to every detail.

40 years' Valuation
experience.

CORRESPONDENCE INVITED.

1 MOUNTFIELD RD., CHURCH END, FINCHLEY, N.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BURNHAM MARKET, Norfolk.—Chemist's and Druggist's Business for Sale as a going concern; well-fitted shop, with residence, in good position; small incoming; immediate possession. Apply, George S. Andrews, Estate Agent, Wells-next-the-Sea, Norfolk.

S.T. ALBANS.—For immediate disposal, owing to death of the proprietor, old-established Business (over fifty years), in centre of city. Apply, H. B. Allenby, Chemist, Ripley, Surrey.

SHEFFIELD.—For Disposal, owing to serious illness, Pharmacy; good working-class trade attached; established over five years; N.H.I. badly needed; Chemist would take £10 to £12 week in short time; no opposition whatever in district; fittings and clean, saleable stock at valuation for prompt cash. Johnson, 319 Shoreham Street, Sheffield.

SOUTH-WEST OF ENGLAND.—Light Retail, good-class Dispensing; returning about £1,100 per annum; no Sunday trade; good profits. For further particulars apply "Radix," Southall Bros. & Barclay, Ltd., Birmingham.

YORKSHIRE.—Old-established Mixed Country Business, with Wine and Spirit Licence; turnover £1,000, increasing, under management; net profit over £250; growing town; double-fronted shop, with house; best position; suit qualified or unqualified; books prove business genuine; excellent reason for selling; terms to suit purchaser; price complete £650. "Sacrifice" (138/230), Office of this Paper.

CHEMIST'S Business in fine position at Hastings for Sale as a going concern; reasonable rent; takings average about £1,000 per annum. For further particulars apply to Parkin S. Booth, Esq., Accountant to the Association of Manufacturing Chemists, Ltd., 32 Kimberley House, Holborn Viaduct, London, E.C.

CHEMIST-OPTICIAN.—Genuine Business in growing Yorkshire town; best position; double-fronted shop and house; showing net profit £550 to £600; turnover increasing yearly; books properly kept; vendor's own property; lease to suit purchaser; sure fortune for any Chemist expert in Sight-testing; Bank references required; price £1,250. Apply, "Called Up" (138/23), Office of this Paper.

NATIONAL Health Insurance Dispensary for Sale, London; mornings and evenings only; about 1,400 per month; stock and fixtures worth about £100; good house; low rent; price £100. Apply, 133/25, Office of this Paper.

IN BANKRUPTCY.

Re CULLWICK, 80 CARLTON HILL, NOTTINGHAM.

OFFERS for a clean, well-kept Stock of a Chemist and Druggist, comprising Drugs, Patents, Perfumes, Soaps, and Sundries, amounting at cost to £160; also the Fixtures in the above shop and the Stock-in-Trade removed from main street, Carlton, to the above premises, amounting at cost to £163; the above lots can be sold either together or separate. For further particulars apply to the Official Receiver, 4 Castle Place, Nottingham, or to Terrey Pyatt, Auctioneer, 26 Lister Gate, Nottingham.

UNOPPOSED Country Retail, South-East Midlands; returns over £800, at good prices; same hands over 40 years; nice shop, well fitted and stocked; warehouses and garden; rent £25; price about £400. 139/230, Office of this Paper.

£50 DOWN.—Owner of neglected Country Retail, only recently acquired, and capable of very considerable extension, being unable to give necessary attention, will dispose at great sacrifice to suitable man; handsome, well-fitted shop, small stock; house and garden attached; price only £100, half down and half by arrangement if desired. 139/23, Office of this Paper.

PREMISES TO LET.

CARLTON, Near Nottingham.—Old-established Chemist and Druggist's Shop to be Let, splendidly fitted up, in one of the best positions in the district; estimated population 17,000; rare opportunity for anyone with knowledge of Dentistry; only a small capital required to ensure a good living; rent 8s. per week and rates. Apply, John Smith, 588 Main Street, Carlton, Notts.

FOR SALE.

A MIXING Machine, hand or power driven; capacity 6½ to 15 lb.; never used practically; will sell cheap. A. Mitchell, 23 Waterford Street, Dublin.

A C. Acetyl Salicylic and Phenacetin Tablets, containing 2½ grs. of each, coloured yellow, 3 lb., 40s. per lb., whole or part. Wain Bros., Ltd., Wholesale Chemists, Longton, Staffs.

FOR Sale, Gardner's Mixer and Sifter, size "A," equal to new; handsome mahogany Showcase, 7 ft. wide, base 17 in. deep and 3 ft. high, top 4½ ft. high, 6½ in. deep, beautifully made and in first-class condition; also about 10 gross 1-oz., 4 gross 2-oz., 6 gross 4-oz., and ½ gross 8-oz. Standard pattern Eau de Cologne Bottles; all perfect stock. The Robinsons Company, Long Row, Nottingham.

LIZAR'S half-plate "Challenge" Camera, fitted with Busch's anastigmat lens, f.7.7; Thornton Pickard shutter (time and instantaneous), 3 double slides, tripod, foc.: cloth case with lock and key. Spicer, Buckingham Road, South Woodford.

OFFERS Wanted.—Copper Still (the Gem), gallon, 2 x 10 in., solid marble mortars and pestles; 5-gr. Morstadt Cachet Machine (nearly new); 24 x 5 gr. Pill Machine, good condition; Plate-glass Serving Counter Case, 6 ft. long by 1½ ft. wide. Millar's Pharmacy, 247 Camberwell New Road, London, S.E.

SMALL "National" Till for Sale, Second-hand, suitable for small shop; prints all details on roll; No. 358. Full particulars and price from "N.," 59 St. Paul's Road, Highbury, N.

18 DOZ. 7½-in. bottles Quinine and Phosphorus Tonic. 30s. gross; 32 doz. ½-oz. flats Flavouring Essences, carded, well got up, 22s. gross, worth 46s. gross; 2 gross Embrocation, 3½d., 15s. gross; wanted Chemists' Books, 69 High Street, Shaw, Lancashire.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ADDITIONAL Agency or Sole Representation required by experienced Traveller (32); proved selling abilities; 12 years with present firm; South or Midland ground preferred; ineligible for Army. Apply, 138/13, Office of this Paper.

AGENCY.—Advertiser, with offices in Cheapside and an established connection with Wholesale Druggists' Sundries and Surgical Appliance houses and Shippers, is open to act as Agent for another house supplying the Wholesale trade only; an established house and well known to the trade preferred; bankers' and other references given. Apply, "Wholesale" (141/35), Office of this Paper.

ENERGETIC person, experienced, well introduced, will under-take Sole Agencies after war for Holland and Dutch Colonies only for the Chemist and Druggist branch. Letters to Mr. H. F. Tillema, Groningen, Holland.

FIRM with offices Tokyo and London offers services on commission for purchase of Japanese Drugs and Chemicals, Druggists' Sundries, Glassware, Bottles, etc., or will act as Factor; samples of requirements if possible; large quantities only; references exchanged. Apply, "F. W. H." (138/34), Office of this Paper.

BUSINESSES WANTED.

WANTED, a business in London suburbs or country, up to £700. Please give full particulars of house, etc., in reply. Address, 139/330, Office of this Paper.

SITUATIONS OPEN.


3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK JULY 29 1916

NATURE OF ADVT.	REPLIES
TRAVELLER	16
DISPENSER	15
MANAGER	10
QUAL. LOCUM	8
ASSIST.	7



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

ANNAN, Dumfriesshire.—Qualified (female, or ineligible male); good Dispensing and Photographic experience; smart and tactful at Front Counter; capable of taking charge. State experience, age, references, and salary (in or outdoors), to A. Hogg, 37 High Street, Annan.

BATH.—Mr. Griffin, Saville Row, has an early vacancy for a Junior Assistant well up in Dispensing and Light Retail; lady or gentleman; short hours and time for study; close to West of England Pharmacy College.

BATH.—Unqualified Assistant for Drug Department at once; no Sunday duty; high-class Dispensing and Counter work; short hours; comfortable berth. State salary, etc., to Cater, Stoffell & Fortt, Ltd., Bath.

BRISTOL.—Progressive permanency for experienced Dispensing Assistant, accustomed to high-class business; Departmental responsibility. Give all particulars in first letter, Matthews, Chemist, Clifton, Bristol.

BRISTOL.—Qualified Manager for Light Cash Retail in pleasant suburb; good scope and prospects; also vacancy for unqualified Junior; ineligible. Please state usual particulars to Stokes, Chemist, Bristol.

CAMBERLEY.—Wanted early in September, outdoor Assistant with good Dispensing experience. Full particulars to F. A. Cairns, Pharmaceutical Chemist, Camberley.

CAMBRIDGE.—Locum required for a fortnight during August or first two weeks in September. Apply, Church, Chemist, 52 Hills Road, Cambridge.

CATERHAM.—Wanted at once, an Assistant; lady not objected to; small light business; no Sunday work. State salary, to live in, Davies, Chemist, Caterham, Surrey.

CIRENCESTER.—Assistant, unqualified, Dispensing and Agricultural business. Apply, with usual particulars, enclosing photograph, Harold Smith, Cirencester.

DARLINGTON.—Managing Assistant required; abstainer preferred. Apply, stating age, height, experience, and salary required, to Waters, Chemist, Darlington.

EXETER.—Wanted immediately, young lady Assistant for about six weeks for Sidmouth, Devon. Apply, Holman, Ham & Co., Ltd., Market Street, Exeter.

FAVERSHAM.—Assistant wanted; gentleman ineligible for the Army, or a lady; good Dispenser; no duties. Apply, with reference and salary required (outdoors), to Thomas, Chemist, Faversham.

FOLKESTONE.—Assistant, unqualified, wanted immediately or soon; outdoors; short hours; business, high-class Retail and Dispensing; others kept; comfortable berth. Full particulars and salary required to Curtis & Sons, 94 Sandgate Road, Folkestone.

FULHAM.—Wanted, qualified Manager for 153 Dawes Road; good references essential; salary £3 3s., outdoors; medium-class business, with N.H.I. Dispensing; hours 9 to 9. State usual particulars to Day, 351 Fulham Palace Road, S.W.

GRAVESEND.—Locum, qualified, wanted at once, for two or three weeks; good references essential; also Junior Assistant; permanency; either sex. Full particulars to T. Johns, 73 High Street, Gravesend.

HAMPSHIRE.—Lady or gentleman Assistant, any age, for good-class Dispensing business in beautiful Hampshire village, near military camp, where a good business is done; hours are short; modern shop, pleasant to work in; healthy Hampshire pine district. Particulars to Keeble, Chemist, Liss, Hants.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

HASTINGS.—Qualified Assistant, male or female, for small Branch; hours and duties light; suit elderly gentleman requiring light occupation. Apply, sending particulars, age, references, and salary required, Court, 20 George Street, Hastings.

HEREFORD.—Dispenser (male or female) wanted at once; must be quick, accurate, and a good writer. In replying, state age, height, experience, salary, references, and enclose photo, to Chave & Jackson, Ltd., Chemists, Hereford.

KENT.—Old-established firm have a vacancy for smart young lady; must be a good Dispenser and have had some experience at the Counter; permanency, with progressive salary. "Kent," (138/15), Office of this Paper.

LANCASHIRE.—Qualified Manager required for suburban business near large industrial centre; business has been well managed, and now presents an excellent opportunity for North Country man anxious to settle down; must be married, of good character, and possess energy and ability; liberal interest in the profits given. "A. R." (138/151), Office of this Paper.

LIVERPOOL.—Wanted, qualified Manager, ineligible, or lady capable of taking complete control, for Branch in industrial Lancashire town; N.H.I. and general Retail. Apply, Welch, Pharmacist, Freshfield, near Liverpool.

LONDON HOMŒOPATHIC HOSPITAL. Great Ormond Street, W.C.—Applications are invited for post of lady Assistant to the Dispenser of this Hospital; candidates must possess the Minor qualifications. Applications, stating salary required, with copies of not more than three testimonials of recent date, must be delivered to the Secretary before August 12.

LONDON (Central).—Outdoors Assistant wanted for Branch; qualified or unqualified. Frizell & Co., 1 Cranbourn Street, Leicester Square, W.C.

LONDON, N.—Five evenings and alternate or occasional Sundays; quick Retail and Dispensing. Long, 155 High Street, Stoke Newington, N.

LONDON (South).—Assistant, wanted at once for about five weeks (or permanency), for busy Cash trade. To save time, please give full particulars in reply as to age, salary, references, 142/7, Office of this Paper.

LONDON, S.E.—Manager; qualified; married; good house attached; abstainer; references must be absolutely satisfactory; salary 50s. Apply, 142/8, Office of this Paper.

LONDON, S.W.—Wanted, a qualified Assistant. Apply, with full particulars, to Amore & Co., 173 Sloane Street, S.W.

LONDON, S.W.—Competent Assistant required in high-class Pharmacy; ineligible; must be good Window-dresser; one with previous West-End experience preferred. Apply, 139/28, Office of this Paper.

LONDON, S.W.—Capable Assistant wanted; qualified or unqualified; good salary for suitable man. Apply, stating usual particulars, to Feltwell, Chemist, Barnes, S.W.

LONDON, W.—Wanted, third or fourth week in August, Third Assistant, unqualified and ineligible, with some experience of first-class Dispensing. Apply by letter, stating salary required (outdoors), enclosing photo, and giving height, to 139/21, Office of this Paper.

LONDON, W.—Competent Assistant wanted immediately; one with previous West-End experience preferred. Apply personally, or by letter, to J. Munro & Co., 273 Regent Street, W.

LONDON, W.—Competent Dispenser, unqualified, outdoors, immediately; no Sunday or holiday duty; 1 p.m. Saturday. Apply, S. F. Goss, 460 Oxford Street, W.

LONDON, W.C.—Qualified, capable Counterman; neat, reliable Dispenser; West-End experience; also two Juniors; permanency; outdoors. Apply, Coiman's Pharmacy, 6 Bloomsbury Street, W.C.

NEAR Manchester.—Wanted immediately for at least six months, qualified Assistant; exceedingly easy position; easy hours; suit elderly man; principally N.H.I. work; applicants must have good references. Full particulars and salary required to 141/19 Office of this Paper.

SALISBURY.—Unqualified Junior Assistant, outdoors, permanency, either sex, required immediately; also qualified Locum. Full particulars to Atkins & Son, Pharmacists, Salisbury.

SHEFFIELD.—Lady Assistant; must be a careful Dispenser and have had experience in a Chemist's establishment; capable of Serving at the Counter occasionally. State age, height, experience, salary required, and when at liberty, enclose photo if possible, G. T. Newsholme, Ltd., 27 High Street, Sheffield.

SOUTHPORT.—Qualified Assistant, ineligible for military service, required; no Sunday duty, no Insurance Dispensing; Saturdays 1.30 p.m. Full particulars to Geo. Ball, Ltd., 179 Lord Street, Southport.

STOWMARKET.—Mr. Gostling is desirous of filling a vacancy in his Light Retail and Dispensing business, for lady or gentleman Assistant; hours light; no Sunday or Bank holiday duty; references to former Assistants if required. Apply, giving salary required, etc., to 29 Ipswich Street, Stowmarket.

WEST DRAYTON.—Wanted, unqualified Assistant, outdoors, for Mixed Light Retail; single man preferred. State age, salary required, and particulars of experience, W. L. Wells, Chemist, West Drayton, Middlesex.

A N Assistant for Branch, single-handed; trade small and light; could be easily improved; apply, with fullest particulars, salary, age, experience, and reference; vacancy end of month. "Hyde" (140/22), Office of this Paper.

A SSISTANT or lady Dispenser wanted immediately for few weeks or months, for duration of war if suitable; reliable Dispenser; references. Apply to W. Parry-Jones, Chemist, Barnet.

A SSISTANT in Surgical Instrument business for Front shop; must be accustomed to Instruments or Deformity work; address, stating age, abilities, and wages expected. Reply 136/6, Office of this Paper.

A SSISTANT, young, unqualified, ineligible, required for good-class Dispensing and Photographic business; time for study if required; near first-class Technical Institute. Apply, by letter, with references, to Harold Mitchell & Co., Pharmacists, Forest Gate, E.

A SSISTANT wanted for high-class Dispensing business. Particulars of experience, age, height, and salary, to W. Hill, c/o J. G. Barnes & Son, 205 Knightsbridge, S.W.

C OMPETENT Assistant required; ineligible; outdoors. Full particulars to Nathl. Smith & Co., High Street, Cheltenham.

D UCK & SON, Chemists, Cardiff, require Assistants; outdoors. Apply, with full particulars.

G OOD Dispenser with Minor qualification wanted for high-class establishment in West End. When applying, please give full particulars of experience, age, and salary required, to "Progressive," c/o S. Maw, Son & Sons, 7/12 Aldersgate Street, E.C.

L OCU M Tenens wanted for a fortnight; unqualified; outdoors. Terms, etc., to Summers, 436 High Road, Streatham, S.W.

L OCU M, qualified, for two or three weeks, preferably from about end of August; good-class Light Retail; dinner hour; one hour Sunday duty. Full particulars and recent references to 140/13, Office of this Paper.

L OCU M for one week as soon as possible. Full particulars by letter or call, F. G. Curtis & Sons, Chemists, 20 Bury Street (opposite British Museum).

M ESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects.

Q UALIFIED Manager required for modern business; must be good Countermau and Dispenser; every inducement offered to a first-class man; vacancy in the provinces. 138/150, Office of this Paper.

Q UALIFIED M.P.S. wanted to run a small Country Pharmacy; pleasant neighbourhood; duties not heavy; liberal terms; permanency. Write, fully, to "Maurice" (138/10), Office of this Paper.

R EQUIRED at once, or shortly, a thoroughly competent all-round Assistant as second hand; really good Countermau essential; not over 35, and ineligible; permanency; outdoors. W. V. Wright, Ltd., 25 Broadway, Hammersmith, W.

U NQUALIFIED Countermau wanted; hours 8.30 to 6, Saturdays 8 to 1; no Sunday or holiday duty. Apply in person, or by letter, to Chemist, Civil Service Stores, 28 Haymarket, London, S.W.

U NQUALIFIED Assistant wanted for good-class Store trade, Richmond, S.W.; permanency; no Sunday duty; good salary a capable man. Apply personally, or by letter, Coppen Bros., Ltd., 124 Carey Street, Vineut Square, Westminster.

W ANTED, Assistant for quick Retail, Dispensing business in S.E. suburbs; outdoors; good wages to suitable man (ineligible). State experience and qualification to "Statim" (139/27), Office of this Paper.

W ANTED immediately, a gentlemanly Assistant, qualified or unqualified, as a Locum for a few weeks, or a part-time Assistant would be entertained. Apply, Quibell, Station Pharmacy, Golder's Green.

W ANTED immediately, temporary help during Assistant's holiday for two weeks in August; hours 9 a.m. to 9 p.m.; closed 1 o'clock Wednesday; qualification not necessary. Apply, James Lloyd, 125 St. John's Hill, Clapham Junction, London, S.W.

W ANTED, unqualified Junior or young lady for Counter trade and Insurance Dispensing; middle-class Mixed business. State age, experience, references, and salary required (outdoors), "N." (140/26), Office of this Paper.

W ANTED, qualified Assistant, chiefly for Dispensing. Apply, Pooley, 36 High Street, Wimbledon.

W ANTED at once, Manager, gentleman or lady qualified, with view to early succession on easy terms; excellent opportunity for suitable person. Full particulars to Medical Hall, Llangollen.

W ANTED, qualified Manager for Branch (ineligible); live out; suit man used to manufacturing district; testimonials must bear strictest investigation; Light Dispensing and Retail. Send particulars to 141/20, Office of this Paper.

W I N D O W - D R E S S E R required at regular intervals. Parson & Baker, 174 Victoria Street, S.W.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

D E R B Y.—Wanted immediately, Assistant for Laboratory; ineligible for Army; good all-round experience. Apply, Davies Sons & Co., Bridge Street Laboratories, Derby.

A C T I V E Salesman, with training in Pharmacy; experienced West of England and S. Wales preferred; permanent salaried position to suitable man. Full details to "D. A. N." Laboratory Dept., Amour & Co., Ltd., Atlantic House, Holborn Viaduct, E.C.

A L L E N & H A N B U R Y S, LTD., Bethnal Green, E., require a young lady for their Invoice Department; must be able to read readily varied Drug Orders, and be a quick and accurate worker. Applications, in own handwriting, stating age, experience, and salary required, to "F. L. D." (32/63), Office of this Paper.

D R Y Countermau required; good wages; permanency. Please mention age, experience, and usual particulars, Timothy White Co., Ltd., Wholesale Druggists, Portsmouth.

G I R L S wanted for Packing and Despatching Patent Medicine for mail-order trade. Apply by letter, stating wages required, to "Regent" (139/39), Office of this Paper.

R EQUIRED, lady Clerks, thoroughly experienced Bookkeepers. Apply, stating age, experience, and salary required, to Cleavers, Honey Soap Works, Twickenham.

T R A V E L L E R wanted for small Wholesale business, Drugs and Sundries, to work country districts, Eastern Counties; salary, expenses and commission; good prospects. 138/11, Office of this Paper.

W ANTED at once by Wholesale firm of Druggists, a man accustomed to making Ointments, Syrups, Tooth-pastes, Veterinary Preparations, etc.; exempt from military service. State wages required and experience. 32/9, Office of this Paper.

W H O L E S A L E Drug Trade.—Wanted, an experienced Pill Maker and Coater; also Wet Floor and Laboratory Assistants. Address, "Rhei" (36/38), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

C A L C U T T A.—Qualified Assistant, free from military service, for large European House; 4 years' agreement; salary 275 rupees per month, second year 300 rupees per month, third year 325 rupees per month, fourth year 350 rupees per month; second-class passage paid out and home; good opportunity for a smart man. Apply, "G. K." Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

AS Locum, permanency; excellent references and experience. "G., 19 Old Christchurch Road, Bournemouth.

ASSISTANT or Locum; disengaged August 12. Senex, 32 High Street, Newport Pagnell, Buckinghamshire.

ASSISTANT; 34 years' West End and suburban experience. Photography, Dispensing, etc.; references. "Statim," 39 Medora Road, Brixton, S.W.

DISENGAGED; Locum; thoroughly competent, reliable, experienced; well recommended. "W. B. D.," Elmwood, Cookham Dean, Berks.

EVENINGS.—Few evenings per week desired, Counter work and Dispensing; experienced; unqualified. 140/17, Office of this Paper.

EXPERIENCED Assistant, over 30 years' London and Provincial experience, requires situation as Manager or otherwise; accustomed to the usual routine of a Chemist's business, including Photography; ineligible; ten years present situation. Particulars "Vita," 4 Churchill Avenue, Birkenhead.

EXPERIENCED Chemist desires responsible post with view to partnership or succession. "X. L.," 45a Craven Road, London, W.

IMEDIATELY as Branch Manager or Dispenser; qualified; over military age; satisfactory references; wide experience. 140/6, Office of this Paper.

JUNIOR, unqualified, desires berth; in Midlands preferred; reasonable hours. "Student" (159/37), Office of this Paper.

LADY Dispenser, Hall qualification, experienced, requires post with Doctor; country town preferred. Miss Image, 67 Harcourt Terrace, Redcliff Square, S.W.

LADY Dispenser requires post, in or near London preferred, or Locum. Apply, 138/37, Office of this Paper.

LADY Dispenser, unqualified, desires post; 18 months' experience and Counter work, near Croydon. 142/2, Office of this Paper.

LOCUM; 29; good Retail, Dispensing, Photographic experience; height 5 ft. 7½ inches. 9 Avondale Road, Eastbourne.

LOCUM; 30 years' wide experience, Pharmaceutical and Institutional; good credentials; qualified; at liberty any time. Smith, 36 Winter Street, Sheffield.

LOCUM; unqualified; disengaged August 7; abstainer; ineligible; London only. "C. D.," 28 Sydney Street, Chelsea.

LOCUM or Manager, with view to succession. Address 139/33, Office of this Paper.

LOCUM; Midlands; unqualified; over military age; August 15 to 21; £2 10s. 140/1, Office of this Paper.

LOCUM; experienced town and country; abstainer; disengaged. "Sorby," 45 Fordland Place, Sunderland.

LOCUM; 34; qualified; disengaged. Adams, 70 Clancarty Road, Fulham.

LOCUM; unqualified; disengaged August 19; highest references. Hall, 98 Birkin Avenue, Nottingham.

MANAGER; qualified; over military age; good all-round experience; salary £4 10s. weekly; London preferred. Apply, 142/5, Office of this Paper.

PART-TIME.—Qualified, thoroughly experienced, desires afternoon or evening work, also Sundays. Apply, "Statim" 141/36, Office of this Paper.

QUALIFIED Manager or Assistant; permanency preferred; thoroughly experienced. Davies, Ty. Cwrdd, Llewynhendy, Llanelly.

QUALIFIED, disengaged, aged 43, desires situation as Dispenser; good experience. Kent, 18 Leeds Road, Blackpool.

QUALIFIED seeks post as Manager; London preferred; abstainer; good experience; exempt from military service. Apply, 135/28, Office of this Paper.

QUALIFIED; 24; seven years' good experience; ineligible. Jenkins, "Bryn Eg'wys," Maudlam, Pyle, Glam.

QUALIFIED; Locum; ineligible; good experience. Apply, "Salix," 49 Elizabeth Street, Belgravia, S.W.

QUALIFIED Manager; 48; good experience. Retail and Dispensing, Photography; temporary or permanency, latter desired. State hours and salary, 159/13, Office of this Paper.

QUALIFIED; over military age; Locum or Management; disengaged for next week. 138/35, Office of this Paper.

QUALIFIED Chemist has three or four evenings free per week from 6 p.m. Write, "Senior," 49 Wandsworth Bridge Road, Fulham, S.W.

RELIABLE Assistant, ineligible, married, age 30, seeks comfortable permanency; London or Brighton preferred; accurate Dispenser. "E. C." (138/18), Office of this Paper.

SITUATION wanted as Junior Dispenser; Yorkshire, Harrogate preferred. Apply, 139/17, Office of this Paper.

TEMPORARY or Locum; qualified; 31; good-class business experience. Kelston, Christchurch, Hants.

UNQUALIFIED lady Dispenser requires post in London immediately; College training. Miss King, Cleve Hall, Denmark Hill, S.E.

UNQUALIFIED; age 45; active; used to good-class business and Light Agricultural; able to take charge; disengaged early part September; country town or village; outdoors. "Chemicus," 3 Grosvenor Villas, Watermoor Road, Cirencester.

YOUNG lady wishes post as Dispenser; Hospital and Chemist's experience; speaks French; unqualified. Apply, 138/16, Office of this Paper.

YOUNG gentlemanly business man (28) desires engagement. Retail and Dispensing, Wholesale, Sundries; good commercial experience; highest references; any branch offering good position, either Retail or Wholesale; replies will be treated strictly confidential. "Ability" (140/9), Office of this Paper.

WHOLESALE.

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ADVERTISER (36), Home Service, seeks post as Traveller; connection trade and Medical profession, South Wales, Midlands, Lancs, and Yorks. Apply, 140/3, Office of this Paper.

GENTLEMAN knows ground 100 miles round Nottingham (Doctors, Chemists), wishes to Represent first-class Drug House; excellent references; ineligible Army; disengaged. Apply, "Galencal" (139/38), Office of this Paper.

LABORATORY (27), ineligible, 10 years' first-class experience in Chemicals, Galencals, and general Laboratory work, capable supervisor, desires permanency. 140/19, Office of this Paper.

REPRESENTATIVE.—Qualified Chemist of some ability (38), connection London and South, seeks position with first-class house; references. "H.," Emcot, 6 Westonville Avenue, Margate.

TRAVELLER, qualified Chemist, requires re-engagement; experienced, energetic, successful; excellent selling record and connection with Chemists, Stores, Institutions, and general; intimate knowledge Drug, Sundries, Essence, Disinfectant, etc. trades; first-class references; ineligible Army; disengaged. 34/56, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E., Established 1898. Telephone, 81 Lee Green. Shares for Sale (free of commission, subject).—50 W. J. Bush Preferred, 79s. 6d.; 100 Cupal & 1 Ordinary, offered wanted; 150 Southall Bros. & Barclay Preference, 19s. 9d.; 200 United Indigo Ordinary, 7s. 7d.; 100 Joseph Watson 10 per cent. Preferred Ordinary, 27s. 9d., yielding 7½ per cent. Shares. Wanted (subject).—Allenbury Preference; 200 Claudius Ash Ordinary, 19s. 6d. e.d.; Idris "A" Preferred, 2s. 6d.; Idris Debentures, 57 per cent.; 64 A. J. White, 4s. 9d.; 100 Wright, Layman & Unney Preference, 19s. 3d. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

ADVERTISERS have 106 lb. Potassium Permanganate to Dispose of. Offers, etc., to 31/17, Office of this Paper.

SHOP FITTINGS.—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75s.; 10 ft. Mahogany and Plate Glass Serving Counter, 48; Perfumery Case and Desk, 52s. 6d.; 4 ft. Bent Counter Case, 45s. Write enquiries, **PHILIP JOSEPHS & SONS, LTD.**, 95 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, **RUDDUCK & CO.**, 262 Old Street, London, E.C.

THERE IS MONEY TO BE MADE

in the PHOTOGRAPHIC DEPARTMENT of your business, but the work must be well and quickly done. We are Experts, and return the work promptly. Send for our List, and give us a trial.

STEAD & CO., Photographic Experts,
DUKE STREET, BRIGHTON.

TO WHOLESALE CHEMISTS, SHIPPERS, etc.

We compress tablets from your own ingredients or otherwise, plain or coated. Large quantities dealt with quickly. Superior Machinery and Scientific Control.

Lowest quotations for Cascara tablets in bulk.

R. GIBBINS & CO., 1 Birkbeck Road, Kingsland, LONDON, N.E.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the war, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.
Salicarb. (134/9) Quin. sulph., 15 oz. in
Salicarb. (134/9) original 5-oz. tins (142/3)
Salicarb. (134/9) Resorcin (134/9)
Salicarb. (134/9) (142/3)

FOR DISPOSAL.

Principals having any of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Salicarb. 8 oz. (140/24) Pot. Permang. 28 lb. (small crystal), (139/26)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

INTERNATIONAL University Society's "Books of Eloquence," £6 6s.; what offers? 135/11, Office of this Paper.

SCOTT'S Structural Botany, Parts I. and II.; Edser Heat for Advanced Students; Edser Light; Thompson Elementary Lessons in Magnetism and Electricity; Greenish Microscopic Examination of Food and Drugs, last edition essential. Tiernan, Colville Road, Boscombe.

DRUGS AND CHEMICALS.

5j. atropin sulph. Smith's Pharmacy, 138 High Street, Elgin.
RESORCIN 12 oz., acetanilid 8 oz.; what offers? Swire, 33 Edgware Road, W.
POTASS. permang., about 7 lb.; what offers? Norman, Chemist, Weston-super-Mare.
2 lb. acid. hydrobrom dil., 7s. 6d.; ½ lb. acid lactic, 7s. 6d.; 2 oz. zinc valerian crys., 4s. 6d.; 4 oz. sulphonal (Bayer), 7s. 6d. 139/16, Office of this Paper.

OPTICAL AND PHOTOGRAPHIC.

REGULAR Sanderson half-plate, with Cooke Series 111 lens, Beck Steinheil telephoto and complete outfit, as new; cost £24; offered for £15 10s. Full particulars, Woodhead, Chemist, Eccles.

MISCELLANEOUS.

WATER-BED, full size, 72 by 36; new four months ago; perfect condition. Best cash offer, Kelham, Tailor, Bourne.
MIXER, wet, Morton's patent, by J. Baker & Son, for power or hand; fast and loose pulley; water jacket for hot or cold, two taps, inside measurement of tank 24 by 17½ in.; bargain £14. 278 Bishopsgate, London.

WANTED.

WANTED, half-drachm squat vials, new or second-hand (6d.), any quantity. 278 Bishopsgate, London.
WANTED, Nyal's Perforations, Maw's Scales B. 4285 R. Mayne, 17 Bridge Street, Cork.
A PERSONAL weighing machine, in good condition and accurate. State price and full particulars, Lima Jones, Chemist, Aberayron, Cardiganshire.
OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
WHITE PHIALS.—½ oz., 1 oz., 1½ oz., 2 oz. Plain or teaspone.
BLUE LOTION BOTTLES.—½ oz., 1 oz., 1½ oz., 2 oz., 3 oz., 4 oz. 6 oz., 8 oz., 12 oz.
PANEL BOTTLES. We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.
CORKS. Good quality. No advance in price: 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, E.
Orders sent to either establishment have attention.
Established 100 Years.

New Books.

Farrow, Thomas, and Cratch, Walter. *The Coming Trade War, 1916*. $7\frac{1}{2} \times 5$ in. Pp. 164. 2s. 6d. net. Chapman & Hall, Ltd. [Consists of seven chapters—viz., The Task Before Us, The Danger of Drift, The Gateway of the East, Some Essential Reforms, The New Banking, Wanted, National Statistics, and Community of Interest. A readable book, free from hysteria, and advocating a scheme which the Government has since the book was published appointed a Committee to carry out.]

Laroche, C., and Chevole-Maurice, W. *French and English Commercial Correspondence*. $5\frac{1}{2} \times 8\frac{1}{2}$. Pp. 128. 1s. wrapper, 1s. 6d. cloth. (E. Marlborough & Co., London.) [A very useful little book for business houses, especially where the development of export business is in contemplation. It will help to cement the commercial *Entente* with our closest Ally.]

Swedish Year-book, 1915. 9×6 . Pp. 215. [This work is issued by the Swedish Chamber of Commerce for the United Kingdom, and contains numerous reports in regard to trade between Sweden and the United Kingdom, together with detailed tables of imports from and exports to Sweden.]

Insurance Matters.

Bath.—On receipt of the list of mixtures issued by the Commissioners the Panel Committee selected ten, and gave the requisite month's notice to the Insurance Committee to bring them under the operation of the reduced dispensing-fee. The pharmaceutical representative thereupon gave notice that in the event of this being enforced the chemists on the local panel would (1) refuse to recognise any other formulæ for stock mixtures than the ten selected and those in the British Pharmacopœia, (2) refuse to accept any scripts for "Rep. mist." or other repeat order as they are doing under present circumstances. In reply to this the Panel Committee withdrew their notice entirely, so that no stock mixture will be subject to the reduced dispensing-fee in the Bath area. The ten selected formulæ are, by agreement, to stand as a local Formulary, and will abolish the many private formulæ that have been in use.

Hampshire.—A meeting of the Insurance Committee was held on July 31. It was reported that the cost of the prescription-checking scheme was 124l. 10s. The special attention of the Panel Committee is to be called to those areas where the average cost of a prescription is less than 7d. with a view to steps being taken to ensure that insured persons receive a proper supply of medicine. The Finance Committee reported on the steps taken to secure that a proper pharmaceutical service was maintained by the retention of chemists from military service. A letter was received from the Commissioners regarding "Rep. mist." prescriptions (*C. & D.*, June 10, p. 47), laying down the conditions upon which these may be written. The list of stock mixtures was also received, and is to be forwarded to the Panel Committee for consideration. The report of the Checking Bureau called attention to the inclusion in a chemist's account of charges for telephone and delivery, but these the Committee decided not to allow.

INSURANCE ACCOUNTS.—The advice given in the Pharmaceutical Society's circular, P.S. 26, on the settlement of the Insurance accounts for 1915, is somewhat misleading. The Secretary recommends Pharmaceutical Committees to apply to the Insurance Committees for immediate payment on the lines of the Commissioners' proposed methods. Following this advice, the reply received is that the Insurance Committees know nothing of any scheme of settlement, so that the Commissioners have to be approached direct.

DRUG-PLANT INVESTIGATIONS.—The U.S. Bureau of Plant-industry has carried on for a number of years experiments designed to ensure better methods of cultivating and utilising drug-plants, and noteworthy results have recently been recorded. About 150 species of drug and related plants are now under experimental culture on heavy clay at Arlington Farm and on sandy loam near Glen Dale, Md. At Arlington permanent plantings are being made, which will furnish material, now badly needed, for standardising crude drugs. One important line of inquiry is in regard to the relation of special feeding to the development of the active principles in medicinal plants. A new strain of belladonna has been obtained by the Bureau through breeding and selection, which has a greatly increased alkaloidal content, and points the way to a notable improvement in the quality of this drug now found on the market.

Medical Gleanings.

Treatment of Burns.

A NEW METHOD of treating burns by paraffin-wax has been adopted by Dr. Barthe de Sandfort at the St. Nicholas Hospital, Paris. He first used it in 1903 as an application to ulcers and burns. The parts are first cleaned and the paraffin-wax sprayed on at a temperature of from 80° to 100° C. One advantage of the method is that the paraffin-wax after solidification exercises a slight but continuous pressure on the part. He suggests that the toughness and suppleness of the paraffin-wax can be increased by the addition of resins.

Salicylic Gelatin.

DR. L. G. ANDERSON and two associates, in the course of a communication to "The Lancet" (1916, I., 1119) on the treatment of septic wounds, mention that salicylic gelatin was used with success in a large number of cases, and that the gelatin is prepared as follows:

Three hundred grams of gelatin is added to 600 c.c. of freshly made normal saline solution. After melting in the steamer the medium is cleared with egg-albumin and filtered. It is divided into quantities of 100 c.c., and put into glass-stoppered bottles, which are then sterilised at 100° C. for three successive days. Special care must be taken with sterilisation, as gelatin is liable to contain tetanus spores. When required for use a bottle is placed in warm water until the gelatin is melted, and 2 to 4 grams of pure salicylic acid is added. The acid must be added after sterilisation is complete, and when the temperature is below 40° C. If the medium is subjected to prolonged heat after the acid is added, the viscosity is lost. In 2-per-cent. solution the salicylic acid dissolves completely and combines with the gelatin. In 4-per-cent. solution some of the crystals remain in suspension.

The fluid gelatin is poured into the crevices of the wound either through an irrigating-funnel or directly from the bottle, and requires to be repeated daily. The trials were made in the Military Hospital, Endell Street, on 1,000 cases.

Dysentery Treatment.

DR. H. H. DALE, of the Department of Biochemistry and Pharmacology of the Medical Research Committee, reports in "The Lancet" (1916, II., 184) on the use of double iodide of emetine and bismuth in the treatment of carriers of amoebic dysentery. The double iodide was suggested last year by Du Mez as suitable for the oral administration of emetine. It is practically insoluble in dilute acids, but soluble with comparative ease in weak alkali. It has not hitherto been tried clinically. Burroughs Wellcome & Co. supplied the material, and clinical experiments were made at the Graylingwell Military Hospital, Chichester. The results are described as "promising," but in some cases there was trouble through vomiting. One fresh case of acute dysentery has been treated with daily doses of 3 gr. of the double iodide, with results apparently as good as those of the hypodermic emetine treatment. If it be a fact that the residual infection, with healing ulceration, is more accessible to the emetine given by the mouth, it may be worth while to consider whether the later doses of the usual course of emetine, given in an acute case, would not with advantage be given as the double iodide. It seems possible that the risk of subsequent "cyst-carrying" might thus be diminished. The possibility of using the emetine-bismuthous iodide prophylactically seems to be also well worthy of consideration. Dr. Dale believes that most men could take a grain or so every few days without any notable effect on health, comfort, or efficiency. He is having some tablets prepared, keratin coated, as an additional safeguard against vomiting, and will try them on some normal subjects in the first instance. Experience would have to show how small and infrequent a dose would give protection to those exposed to the chance of being infected. A drawback to the wide use of the compound as a wholesale prophylactic would, under present conditions, be the expense entailed. The ordinary emetine salts are expensive enough, and the extra trouble of making the double iodide will presumably make the latter, dose for dose, even more costly, though the difference should not be very large.

VISCOUNTESS WOLSELEY has communicated to the "Broad Arrow" an article on "Commercial Herb-growing for Ex-sailors and Soldiers," in which she praises highly the Board of Agriculture's leaflet, "The Cultivation and Collection of Medicinal Plants in England," copies of which any chemist can get from the Board by a postcard request addressed to Whitehall Place, London, S.W. Viscountess Wolseley also comments upon the work of the Herb-growing Association, 7 Queen Anne's Mansions, London, S.W.

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